

#### Tomorrow

Heart-searching Someone dies of heart discase every three minutes in Britain, an epidemic that need not happen. On the Wednesday Page, Peta Levi examines the problem and the cure.

After all these years, Wimbledon remains closest to the heart of every tennis player. Rex Bellamy, continuing his Spectrum series, explains why and corrects some false impressions.

Heartaches Bernard Levin reflects on Labour's electoral disaster and concludes that, in a way, the party is dying of a broken heart.

#### Black union joins mine wage talks

South Africa's Chamber of Mines, which represents the six leading mining houses, sits down today for the first time in negotiations with a recognized black miners' union. The new union will ask for a 30 per cent Pay talks, page 4 Leading article, page 9

#### FINANCIALITMES

Hopes of an agreement to resolve the 14-day stoppage at the Financial Times receded yesterday as the company said that it had lost £1.5m already and was prepared to lose more unless the National Graphical Association, the union at the centre of the dispute, climbed

#### Tristram back

Sir Tristram, one of the two landing ships bombed at Bluff Cove during the Falklands conflict, arrives back in Britain today for repair. Since fighting ended she has been used for troop accommodation at Port Stanley.

#### Market RTZ cash call

Rio Tinto-Zinc, the mining finance house, plans to raise the third largest rights issue ever Page 13

#### Saatchi soars

Saatchi & Saatchi, the advertising agency which handled the Conscrvative Party's election campaign, has more than doubled its half-yearly profits to

Investors' Notebook, Page 14



#### Film star dies

Norma Shearer, who has died in Los Angeles aged 81, was one of Hollywood's biggest stars of the 1930s. Her films included The Divorcee, Idiot's Delight and The Barretts of Wimpole Street Obituary, page 10

#### Connors No 1

Wimbledon have seeded Jimmy Connors No 1 and John McEnroe No 2 for the men's singles. Martina Navratilova and Chris Lloyd are expected to contest the final of the women's Page 23

Leader page, 9 Letters: On electoral priorities from Mr C. Price, and others; church vandalism, from the Rev B. J. Marshall, and Mrs J. C. Warde-Aldam Leading articles: Hereditary peerages: P & O and Trafalgar;

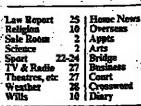
South African miners Features, pages 6-8 Peter Hennessy on the Chur-chill boom; What's going on at the Financial Times? Spectrum:

The tennis grand slam. Fashion: The best of British Japanese Technology Eight-page special report on Japan's high tech industries and their chances of leaving the

Computers, pages 20, 21 The attractions of Trilogy; an offer for micro-users; and a computer explosion in a Lon-

Obituary, page 10 Miss Norma Shearer

West behind



#### Jenkins resigns as leader to make way for Owen

Mr Roy Jenkins resigned Democratic Party, and said that he hoped Dr David Owen would take over the leadership without a contest.

Mr Jenkins had made up his said: "At the beginning of a mind to give up the leadership immediately after the election which cut the SDP's parliamentary membership from 29 to six."

The response for this decision with the second statement which is clearly going to run for some years, I regard it as desirable that the start membership from the decision with the second start of the seco The reasons for his decision were not immediately apparent, and Mr Jenkins made himself "unavailable for comment" last night after the formal unexpec-ted announcement.

Over the weekend, Mrs. Shirley Williams, Mr William Rodgers, Dr David Owen, Lord Diamond, SDP Leader in the Lords, and Mr John Roper, formerly the SDP whip in the lunch yesterday by Mr Jenkins, apparently without telling them of his decision. No paid officials of the party were invited.

Mr Jenkins's decision took his guests by surprise. They had been expecting to discuss the future in general terms and deal with the leadership question tomorrow at the first meeting of the party's six MPs.

Dr David Owen last night made clear that he would accept nomination for the leadership. He did not deny that he hoped for a formal nomination from Mr Jenkins and said that, were he to become leader, he would do all he could to deepen the relationship between the SDP and Liberals.

He emphasised that he did resterday as leader of the Social not wish to assume or take for ship certainly makes no with-Democratic Party, and said that granted the views of his fellow drawal from full political the hoped Dr David Owen MPs in making a choice of activity. I shall be particularly In a statement, Mr Jenkins

leader for the next election. Fortunately with David Owen's victory at Devonport, such a Leader is available.

It is for the SDP MPs to nominate and for the member-

ship of the party as a whole to make the decision. But I hope that David Owen may be elected without a contest, and will lead the party to the full success that its solid basis of votes makes possible:



"My handing over the leade active in safeguarding the unityof the Alliance, in promoting the ever more necessary cause of electoral reform, and in representing the interests of my

Constituents in Hillhead.
There was reticence in SDP circles last night about the reasons for Mr Jenkins's resignation, but at an election in five years' time he would be nearly as old as Mr Michael Foot is November, 1920.

In nominating his successor, informally so far, Mr Jenkiins has recognized that Dr Owen was the SDP's campaigning star in the past four weeks. Mr Jenkins personally told Mr David Steel, the Liberal leader, of his decision.

There have been consul-tations already between Mr Steel, Dr Owen and Mr Jenkins to ensure the continuation of the Alliance in Parliament. While Dr Owen was never as enthusiastic as Mr Jenkins for the formal partnership between the two parties, he has accepted the practicality of the arrange-

Those in charge of SDP finances will be hoping that Mr Jenkin's expressed wish for a leader to be chosen without an election will be heeded. The SDP leader is chosen from the MPs, by popular vote of the



Mr Jenkins: Will act to safeguard the unity of the

#### **Pressure on Howe** Labour MPs may indicate over EEC budget

From Ian Murray, Luxembourg

Sir Geoffrey Howe was last buy a short-term settlement at future in the Community.

they would agree to a budget rebate for Britain.

As the meeting dragged on it a major task on her hands at the EEC summit in Stuttgart next weekend to win early agreement

Most countries are quite determined that there can be no proper discussion of the rebate until Britain accepts the principle that the Community's

resources have to increase. Britain is equally determined to block any such rise until it is satisfied that the Community is

under control. common agricultural policy will cost the EEC 30 per cent more this year than last. This will add an extra £240m to the cost of

on the British rebate.

agricultural spending is brought

New Commission figures released yesterday show that the Sir Geoffrey made very clear

England are one victory away

from a Prudential World Cup semi-final place following their

eight-wicket win over Pakistan

Fine bowling by skipper Bob Willis (2-24) on a helpful pitch kept Pakistan's total down to 193 for eight, with Zaheer undefeated on 83. England,

leaving nothing to chance, took

51 overs to reach their target,

with Graeme Fowler top-scor-

ing with 78 not out. They lost Tavare in the minth over, but

**Spaniards** 

keep hold

of Harrier

From Richard Wigg

Santa Cruz, Tenerife

The Royal Navy was stopped

from unloading its stricken Sea

Harrier from a Spanish cargo

vessel here yesterday by oppo-sition from the ship's crew and

the owners despite a Spanish

maritime court having ordered

Captain Aitor Suso, skipper

of the Alraigo, which rescued

the Harrier in the Atlantic last

week, let it be known he would

not let a naval party go on board while a dispute over

compensation for salvage con-

The 13 crew of the Alraigo,

the Spanish independent sca-men's union and the Garcia-Minaur line, owners of the

vessel, have petitioned the

investigating magistrate for a down payment of £5.5m from

its release.

at Lord's yesterday.

from the start of yesterday's meeting that Britain would not

night fighting off attempts by the price of a commitment to a other EEC foreign ministers to long-term increase in Comforce Britain to mortgage its munity resources. Only Holland and West

The Foreign Secretary, at his Germany appeared to back him first Council meeting in his new wholeheartedly. Other council by france, were a majority of countries to agree equally clear that there could be to a substantial increase in the community's income before undertakings had been given

Britain is looking for a rebate of about £800m on its estimated contribution of £1,200m this became inevitable that Mrs year. It would be prepared to Margaret Thatcher would have accept a little less because it received more than expected in repayments by the Community over the past three years.

The last EEC summit agreed in March that a figure for the 1983 British rebate would be written in to the draft Community budget which is due to be published by July 21.

In Stuttgart Mrs Thatcher will be using all the extra authority her general election victory has given to to force her partners to keep that promise.

Some countries fear tast Mrs Thatcher will withhold Britain's payments to the Community if she does not get her way. But Sir Geoffrey found yesterday that even this threat does not deter those members who believe that the Community must spend more if it is to

Cost-cutting timetable, page 4

Gower and Fowler saw off the

immediate danger, taking England to 93 before Gower

(48) was caught at midwicket

saw England home.

Lamb (48 not out) and Fowler

New Zealand maintained second place in the Group A

table behind England by beating

Sri Lanka by five wickets, while in Group B, West Indies beat

Zimbabwe by eight wickets and

Australia overcame India by

and a cut in banks' base lending

rates is virtually certain this

week. The big high street banks

rates by 1/2 per cent within the

But the fall may not be

enough to stop the building

societies from putting up their

mortgage rates when they meet

The authorities have wasted

no time in signalling to the

markets that they want lower

interest rates now that the

election uncertainty is over. The

Bank yesterday cut the rates at

which it channels funds into the

money markers by 4 per cent,

and a similar reduction is likely

Treasury and Bank officials

have been worried for some

weeks that the strength of

next day or two.

today.

Reports page 22

The Bank of England yester- sterling is damaging economic

day gave the green light for recovery by pricing British interest rates to come down, goods out of world markets.

are expected to reduce base on the Government to cut

**England win easily** 

#### choice of leader tomorrow Labour's 209 MPs will be

asked tomorrow whether they want to elect a new shadow cabinet. The poll could be used to indicate their choice between the contenders for the party

tary party say that such an election may be held at the the Commons "as may be found There was little doubt lest night that MPs would insist on

the ballot, if only as a means of telling the union barons where the best interests of the party lie. It would be possible to elect new shadow cabinet by July 13, two days before nomination closes for the party leadership.

As MPs began to trickle back to Westminster yesterday, few doubted that the early lead established by Mr Neil Kinnock over his main rival, Mr Roy Hattersley, would be hard to shake. Mr Hattersley's supporters feel most strongly, ever, that it would be folly for the electoral college to go for a man with no governmen experience, who has already made it clear that he does not blame the party's policies. organization or leadership for last week's election catas-

trophe. Mr Kinnock said on BBC elevision's Breakfast Time: There will be no bloodbath. There will be no panch-up."

But there are already signs

that the Hattersley camp will pull no punches in its central campaign message: that there is a need for a radical review of Labour policy and style, with an outright repudiation of the Foot-Kinnock axis.

Mr Gerald Kanfman, one of the contenders for the deputy leadership, said on BBC radio's World at One: "You cannot win elections by ramming things down people's throats." Mr Hattesley and Mr Kaufman not buy Mr Kinnock's nuclear unilateralism at any price.

Cost of home loans may still rise

Banks set to cut interest rates

By Frances Williams, Economics Correspondent

The fear was again voiced on Friday by the Confederation of

British Industry when it called

One of Mr Nigel Lawson's first tasks at the weekend, after

his appointment as Chancellor.

was to approve an interest rate

reduction to help lower the

pound's international exchange

The move was only too

successful yesterday. The pound

fell sharply against all leading currencies, losing 1.5 points on

its trade-weighted index to

finish the day at 85.4. It

dropped 1.75 cents to \$1.5525

with even steeper falls against the Deutsche mark and yen,

where Britain's lack of competi-





Running for deputy leadership: Mr Kaufman (top) and . Mr Davies.

Mr Peter Shore, the other leadership contender, who has previously allied himself with Mr Hattersley and Mr Kauf-man, appears to have been squeezed out of the running, if nly on grounds of age. He is

quarters yesterday confirmed that it would be possible for Mr Kinnock and Mr Hattersley to leadership and the deputy leadership of the party. It would, however, be possible to manage a joint ticket of the two men only if there were no other leadership, so that the ma who lost the leadership contest could automatically be elected deputy leader, unopposed. That could. yet depend upon the withdrawal of Mr Kaufman and

stacle to lower rates at home.

But the Government's un-

willingness to countenance a

headlong fall in interest rates,

which might destabilize sterling,

means that further cuts may

come too late for the building

societies. They have said that

mortgage rates will go up by 11/2 per cent unless the banks cut

their lending rates by at least 1

Spending boom, page 17

percentage point before the

Mr Denzil Davies from the deputy leadership contest. Mr Kinnock conceded yes terday that he would be willing to serve as deputy leader "if that were constitutionally possible. There is some query as to

whether it's possible to run for As for the shadow cabinet tainty last night that Mr Hattersley would be able to emerge as a clear choice of his

new Commons colleagues. In the last three years' shadow cabinet elections Mr Hattersley came first, with 143 votes; third, with 135 votes; and, last year, fourth, with 127 votes. In 1980, Mr Kinnock scraped into the winning 15, with 90 votes; then came seventh, with 118 votes; and, last year, second, with 131 votes, behind Mr Kanfman, whose widely-recognized ability won him 142 votes.

If the shadow cabinet ballot was to be held, effectively as a contest, the running could be dramatically altered. But if Mr Kinnock did manage to beat Mr Hattersley in the parliamentary ballot, then there would be no stopping his bandwagon in the unions and constituency parties, which between them control 70 per cent of the electoral college

It was suggested last night that Labour's "new broom" sweep of the old-style leaderhip could even extend to the Labour Whips' office, with an election challenge to Mr Michael Cocks, the Chief Whip. ODDS ON: Mr Kinnock has been heavily backed to become the new Labour leader, a Ladbrokes spokesman said in London yesterday. The latest odds were 4-5 Mr Kinnock, 5-4 Mr Hattersley, 7-1 Mr Shore and 20-1 others. Coral offered 8-11 Mr

Kinnock, 2-1 Mr Hattersley, 4-

Union choice, back page

#### **Briton shot** dead in Kenya

The Government is however, likely to welcome some further easing of sterling against the Kenyan minibus driver German and Japanese curwounded in the mouth by unidentified gunmen who Fears of a rapid slide against opened fire on three busioads of the dollar have been allayed by holidaymakers in the Great Rift better-than-expected American Valley north-west of here, the British High Commission said. money supply figures last Friday. These led yesterday to The Briton's name was being lower dollar interest rates, withheld until his children were removing one short-term ob-

Mr Peter Smyth, managing director of the United Touring Company, said the buses were returning to Nairobi from the Masai Mara game reserve when they came under fire. The first two were not hit and kept going. he said, but onboard the third the Briton was shot in the head and was believed to have died instantly.

He said he was confident that the police would track down the

#### Falkland casualty gets his old job back in reshuffle

By Julian Haviland, Political Editor

with Lord Carrington and Mr winger, who goes to Employ-Humphrey Atkins after the invasion of the Falkland Islands Education and Science), and Mr last year, has been reappointed to his former post as Minister of Industry). Baroness Trumping-State at the Foreign Office.

ments in the middle and lower ranks of government an-nounced from 10 Downing Street yesterday. Eight new ministers are appointed from the back benches. The most senior new appointment is Mr lan Gow, the Prime Minister's parliamentary private secretary throughout the last Parliament, who becomes Minister for Housing and Construction in the Department of the Environment, with the rank of Minister of State.

Among the eleven pro-motions from within the government the senior position is taken by Mr Patrick Mayhew, the former Minister of State at the Home Office, who becomes Solicitor-General and receives a knighthood. His predecessor, Sir Ian Percival, is one of nine ministers who were asked to

It was said on the Prime Minister's behalf last night that she found it painful to prune her administration to allow new growth. It was pointed out that Mr William Shelton, her former parliamentary private secretary and a junior education minister, was among the casualties.

The list shows that the Prime Minister has kept her promise to see that all strands of party opinion are represented. Mr Christopher Patten, the former head of the Conservative Research Department who has been a persistent critic of the Government's economic direction, gets his first post as Parliamentary Under-Secretary at the Northern Ireland Office. A more discreet critic, Mr Michael Ancram, chairman of the Conservative Party in Scotland, becomes Parliamentary Under-Secretary at the

Scottish Office.
The other new ministers, all

Mr Richard Luce, who of whom receive junior posts, resigned from the Government are Mr Alan Clark, a right

> ton becomes a whip in the Lords. At Minister of State level, several people have been moved to widen their experigiven that their talents are valued. Mr Douglas Hurd, regarded by Mrs Thatcher as regarded by Mrs Thatcher as Cabinet material, moves from the Foreign Office to the Home Office; Mr Alick Buchanan-Smith from Agriculture to Energy; Mr John Stanley from Housing to Defence; Mr Rhodes Boyson from Education to be Minister for Social Security, and Mr Paul Channon, who was Minister for the Arts. becomes Minister for

Trade. Mr Channon's former role es to the Earl of Gowrie, who has been deputy Secretary of State for Northern Ireland under Mr James Prior. Lord

Arts, becomes Minister for

#### ON OTHER PAGES

Foll list Resignations Biographies

Gowrie will be Minister of State at the Privy Council Office, where he will also have charge of the Management and Personnel Office, under the Prime Minister's oversight. The office will become part of the Cabinet

One of the luckier members of the Government is Mr Hamish Gray, who last week lost his seat in Parliament as member for Rose and Cromarty, but receives a life peerage and moves from the Department of Energy to the Scottish Office as Minister of State.

Mr John Cope, after long service in the whips' office,

becomes deputy chief whip

#### Weatherill is Tories' favourite for Speaker

By Philip Webster, Political Reporter After a day of intense canvassed partly because Mrs onsultations. Mr Bernard Thatcher was known not to consultations. Mr Bernard Weatherill last night remained the favourite to become Speaker of the Commons tomorrow, in

apparent misgivings. Conservative party whips, who were busy over the weekend and yesterday taking soundings among their MPs, apparently detected majority support for Mr Weatherill, aged 62, who was Deputy Speaker in the last Parliament

spite of the Prime Minister's

He has long been a frontrunner but never a clear choice, tives before the election and other names are being Howthe Speaker is chosen Page 2

Thatcher was known not to

favour him for the post. Over the past few days the name of Mr Humphrey Atkins, the former chief whip, Northern Ireland Secretary and deputy foreign secretary, has been prominent in the soundings. Yesterday the chief speculation centred on Sir lan Percival, who lost his job as Solicitor General in the Government reshuffle and whom MPs believe would almost certainly have the Prime Minister's support. He was approached by senior Conserva-

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£19.50 MENS WEAR

Blouses

Sale Price

£12.50

Jackets £155 £99 Classic Knitwear £,13.50 Fancy Knitwear £19 Trousers

**GREAT REDUCTIONS** 

#### Man of 93 survives 100ft fall

Mr Charles Patridge, a resident of Scabourne Nursing Home in Boscombe, Bournemouth, is believed to have slipped and fallen while walking on Sunday.

He was found at the bottom of steep cliffs on the seafront two hours after he had been reported missing

He was taken to Poole General Hospital with head and back injuries and his condition

#### Life for club stabbing

Women screamed and men shouted in the public gallery at Liverpool Crown Court yesterday when Dennis Patrick O'Brien, alias Kelly, aged 33, was jailed for life for the murder of William Osu, aged 38, in the Kowloon Cub, Neison Street,

Liverpool, on November 15.
Mr Michael Magnire, QC, for the prosecution, said that another man armed with a hammer approached Mr Osu at the club bar to settle an old score. After O'Brien was seen to make a thrusting blow at his body. Mr Osu staggered out of the club and into a taxi which took him to hospital, where he died shortly afterwards. O'Brien had pleaded not guilty.

#### **Ex-model** wins £7.500 damages

Mrs Christine Cleall, a former model, yesterday accept-ed £7,500 damages for back injuries she suffered in a road accident in 1977 which, she claimed, ended her marriage to Peter Cleall, aged 39, a televison

Mrs Cleall, aged 41, of Church Road, Richmond, Surrey, had told the High Court on Friday that the injuries made

Liability for the accident was admitted by the driver of another vehicle, Rosamund Elizabeth Monckton Barell, of Rydall Gardens, Hounslow,

#### Bomb hoaxer to be deported

Aloyse Braun, aged 41, who tried to blackmail the Marks and Spencer store chain with a hoax threat to blow up its shop in Kensington High Street, west London, was recommended for deportation to his home country, Luxembourg, by a Central Criminal Court judge yesterday, Making the deportation ord-

er, Judge Argyle said: "I want to et you out of this country. Your action caused alarm and a very great disorganization at a total cost to the police and public of £10,000.

#### Paint damage to Stonehenge

A Portsmouth football club supporter bought some blue paint to spray his hair in his team's colour but he and three friends used it to spray alogans, including "Pompey kick to kill" on Stonehenge, Salisbury magistrates were told yesterday. It cost £8000 to remove the

slogans.
Michael Issacs, aged 19, of
Anstey Lane, Alton, Hampshire and his three friends admitted damaging the stones. The case was put back so that they could see a solicitor.

#### **Ulster museum** wins award

The Ulster Folk and Transport Museum, near Belfast, was named yesterday as Museum of the Year for 1983. There were 49 entries in the contest sponsored by The Illustrated London News and National

The museum will get £2,000 and a sculpture by Henry

For 77 years the doors and the hearts of the Sisters of Charity at ST JOSEPH'S HOSPICE

MARE STREET, HACKNEY LONDON E8, 4SA: have remained open to unrelieved suffering

This year over 700 persons with terminal cancer will find profound peace in their delicate care. Your compassion will be as cious as every last dign day. The time and the tenderness

Reverend Mother

Yourgift will be blessed - and

JUST LOOK AT THESE SUMMER PRICES From £104 return From £94 return All prices are subject to alroof tax and surcharges guaranteed jet travel. Lots of other destinators in Europe and the Greek Islands. Fully bonded CAA and ABTA Book with contidence.

#### European MP sues airline in challenge to 'fixed fares'

By Patricia Clough

to avoid competition amonest members that it once regulated the number of prawns used in in flight" prawn cocktails; a High Court judge was told

Mr Clive Stanbrook, counsel for Lord Bethell, a Conservative member of the European Parliament, is suing Sabena, the Belgian airline. He said the airlines' tariff fixing contra-vened Articles 85 and 86 of the Treaty of Rome, which ban any distortion of competition.

Lord Bethelf is seeking damages from Sabena for selling him a £125 return ticket from London to Brussels, which he alleged was over priced by £50. Lord Bethell heads the "Free-dom of the Skies" association of

Mr Stanbrook said that the European Community had not implemented the articles of the treaty covering air transport.

He asked Mr Justice Parker

The International Air Trans- announce his decision this port Association was so anxious morning.

the High Court ask the Enropean court to rule whether Articles 85 and 86 applied to air transport and in particular to

He said it should also ask whether, in the absence of this point and thirdly ther member states should be obliged to remedy the Community's failure to issue

Under Community law, which has been incorporated about 2,000 regular air travel-lers, which is fighting for lower The national court then binding lers and competition in air its own judgment taking interasport.

Mr Peter Scott, QC, counsel for Sabena, said it was too early to refer any questions to the

to refer to the European Court
of Justice for a preliminary and legal points needed to be
ruling. The judge said he would dealt with first.

#### Fresh protest over police cell remands

The Law Society has pro-tested to the director general of the prison service that the law committee, said yesterday: "It is very difficult to see how a crowding at remand prisons in London has reached such a level that the overspill has spread far beyond the Home

The complaint is the second by the Law Society to the director general over the holding of prisoners, mostly on remand, in police cells because of shortage in London of normal prison accommodation. It is particularly concerned this time that 416 prisoners, a total which almost matches the record 428 that have been held on any one night, are in police cells as far away as Suffolk, Northamptonshire, Gloucestershire and Warwickshire as well as Kent, Essex, Thames Valley, Bedfordshire and Cambridge-

In a letter to Mr Christopher Train, the new director general, the Law Society says: "There is a clear risk that the client will

solicitor is going to be able to prepare a case adequately where a prisoner is held this sort of distance from London. It is very worrying from the client's point

The society is raising the issue again after complaints from London solicitors. Since the first protest in September last year over difficulties reaching clients, arrangements have improved and lawyers and relatives have access to an information line at the Metropolitan Police support head-quarters in London.

Pressure will be renewed on the Home Secretary to take action on overcrowding perhaps by exercising the emergency executive release powers under the Criminal Justice Act, 1982.

The all-party penal affairs oup of MPs led by Mr Robert Kilroy-Silk, Labour MP for Knowsley North, has urged the use of this power under which short-term, non-violent prisesented as well as he oners in their last six months should be. Where that happens would be let out, reducing it will serve to decrease public confidence in legal services." would be let out, reducing prison numbers by 2,000 to 3,000.

#### Ballet teacher jailed for biting policeman

an unlawlul arrest was sen- by a bath towel, she had merely tenced to a month's imprrison- attempted to usher the officers ment yesterday for biting a from her flat.

Penelope Littlewood cried out after sentence at Inner London Crown Court "Please there must be some mistake, I

cannot go to prison". Her barrister immediately went to the High Court to try to seek bail pending an appeal against conviction.
On Friday night, Mr John

Kelsey-Fry succeeded in getting Miss Littlewood, aged 29 released on bail after Judge Dunbovne had remanded her in custody for yesterday sentence. At the start of the trial the judge refused an application by counsel for the prosecution to

charges of causing two police officers actual bodily harm. The judge ordered that the trial must The incidents arose after

Woman Police Constable Rita Jackson and Police Constable Angus Angus arrived at Miss Littlewood's home in Milner Street, Chelsen, to investigate to Chelsen police station.

She was found guilty of balcony. Mr Peter Moss in the causing PC Angus actual bodily

After she was questioned, she

she was "slapped" on the back that is far too prevalent by Miss Littlewood. But the nowadays, you lose your jury acquitted her of causing the liberty."

The membership register of

a fashionable club to which

King Henry VIII and three of

his wives belonged was bought in on behalf of the owner at

£80,000 when Lord Bute's

manuscript collection was auctioned by Sotheby's yester-

day.

Known as the "Laton Guild

Book", it is an illuminated record of the foundation and

membership of the Guild of

the Holy Trinity at Luton, founded by Edward IV and

A ballet teacher who was officer actual bodily harm after taken naked to a police van in they heard how, covered only After the alleged attack PC

Angus told Miss Littlewood that he was arresting her for assaulting a police officer in the

But Mr Moss, for the prosecution, said to the jury that it was not an arrestable offence without first obtaining a summons or a warrant. "She was entitled to use and take any reasonable step to prevent her unlawful detention", he said.

In evidence Miss Littlewood said that PC Angus had rushed at her, grabbing he arms on August 22 last year.

"He was shaking me and I bied to get seaw from him. I

tried to get away from him. I did bite him on the handbut he would not release me. He threw me to the floor and the towel around me fell away." She said that her arms were handcuffed behind her back

She was taken, still naked, to a police van 80 yards away on the light summer evening and then to Chelsea police station.

Sentencing her the judge said: asked the officers to leave after she claimed they had an much that you should understand that if you go around bring police officer,, an offence she was "slapped" on the back that is far too prevalent.

Tudor register bought in at £80,000

Thomas Rotherham in 1475,

thus minutely documenting the change in style of English illumination.

luminating. Lord Bute said yesterday

that an individual, whom he

did not want to name, had

expressed strong interest in

buying the manuscript to

present it to an appropriate British library but no deal had

yet been completed.

He had felt it unfair to

withdraw the lot from the sale

at the last moment and put a

By Geraldine Norman, Sale Room Corresp



Minister of 9 for the Arts)

Lord Gowrie, with his pen-

chant for extravagant bow ties.

will probably fit more easily into the world of art than the

tual had the unusual distinc-tion of being an Irishman holding office as a British Minister of State in the

Credited with being an

Northern Ireland Office.

for Housing and Contain Under-Secret



Lady Young who has been made Minister of State at the Mr Patrick Bernabas Burke Mayhew, QC, who is 53, has been Minister of State at the been Minister of State at the Home Office since early 1981. Foreign Office. The appointment places one of the Prime Minister's most dichard sup-porters in the centre of the Educated at Tonbridge and Balliol, and President of the Oxford Union in 1952, he was department which has historicalled to the Bar in 1955 and cally been at loggerheads with entered politics 15 years later. His first ministerial role came His that ministerial role came with his appointment as Parliamentary Under Secretary at the Department of Employment in 1979. Mayhew's responsibilities at the Home Office have included could defence and be headed.

Lady Young, aged 57, and ducated at St Anne's College, Oxford, where she gained an MA in politics, philosophy and economics, has served as a key figure in the Conservative Party's administrative struc-ture, and has gained a reputation as the party's most senior woman politician after the Prime Minister.

Mr Rhodes Boyson, the former Parliamentary Under-Secretary for Education who has become Minister for Social Security, established a the hard left when he was

Mr John Cope

Opposition spokesman of education from 1976 to 1979. The flour bombs and heck-ling which greeted some of his outbursts, notable his luke-

warm attitude towards comprehensive education, have receded as his political profile has become more routine. He was headmaster at Highbury Grave School in London for seven years until 1974 when he

#### Credited with being an important infinence on Mr James Prior's thinking, he said earlier this year that the present leadership of the IRA was "very applisticated, very intelligent". He spent such of his youth in co Donegal before going to Oxford and Eton, where he edited Isis. The ministers who have resigned

The following have tendered their resignations: Sir Ian Percival, QC, as Solicitor General: Mr Cranley Onslow, as Minister of State, Foreign and Commonwealth Wiggin, as Parliamentary Office Mr Jock Bruce-Gardyne, Under Secretary of State for the

Parliamentary Under Secretary of State, Department of Edu-cation and Science: Mr Peter Blaker, as Minister of State for the Armed Forces: Mr Jerry as Economic Secretary, Treasury: Mr William Shelton, as as Minister for Social Security:

civil defence, and he has been

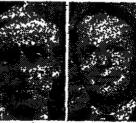
an active government spokes-



4







Onslow, Peter Blaker, Jerry Wiggio, Hugh Rossi, Geoffrey Fi sberg, Dr Gerard

#### Order of the day for selecting a Speaker

Speakers of the House of effectively chosen beforehand Commons usually "emerge" in during talks which eventually the same way that leaders of the involve members of all main Conservative Party were chosen in the days of the "Magic Circle" when consultations conducted by senior party figures resulted in the naming of a candidate who was acceptable to the parliamentary party.

The Speaker is subject to formal election, but he is

very high reserve on it, which had the desired result of

ensuring that there was no

The richly illuminated manuscripts made a total of \$736,769.

The unusual English mon-

astic manuscripts, of historic rather than visual interest, collected by the Earl of Buta,

Prime Minister in the eight-

centile century, sold far beyond

expectations, mainly to Kraus of New York.

OUT (from left to right): Cranle Onslow, I Vaughan, Jock Bruce Gardyne, Michael Alison.

When Mr George Thomas let it be known during the last Parliament that he intended to retire at its end, the procedure

for finding his successor was set As Mr Thomas was a Labour member and by tradition he

would be succeeded by a Conservative, the Tory whips began taking soundings among colleagues more than a year ago agues more than a year ago to find a suitable candidate. The post of Speaker is solely

a matter for MPs and not in the Government's gift, which explains the anger of some Labour MPs over the weekend at suggestions, denied by Downing Street, that Mrs Margaret

Thatcher had offered the job to Mr Francis Pym. There is no doubt however that the Prime Minister's opinion is of critical importance, and MPs believe that if Mrs Thatcher had been wholehearted supporter of Mr. Bernard "Jack" Weatherill, deputy Speaker in the last

have been accepted.

#### Mortgage relief bonus revived

The Queen's Speech next

week may include reference to three finance Bills for the session which will start on June 22. The first would be a Bill comprising five important items in the Finance Bill of last session lost because the Labour. Party would not agree to their speedy unamended passages. The second would be a

package of more technical items, dropped at the dissolution because of their com-The fifth measure will be to raise small companies limits for bringing forward his next corporation tax.

Chief among other Bills lost law providing for ballots for at the dissolution were the electing trade union governing Telecommunications

Bill bodies. plexity. Finally, the Commons will be presented with the normal Finance Bill following a budget next March.

The first Bill needs to be transferring part of that incus through Parliament before it try to private ownership, the rises for the summer recess it Housing and Building Control

will cover an increase in the mortgage interest relief limit beyond council houses, and the from £25,000 to £30,000 raising the limits at which higher income tax becomes payable, raising the investment income surcharge lower limit, and changed thresholds and bonds for capital transfer tax.

Housing and Building Control Bill, extending the right to buy beyond council houses, and the Police and Criminal Evidence Bill.

Another Bill likely to appear in the early part of the programme is the Petroleum Royalties Relief Bill,

Mr Norman Tebbit will be

#### Science report **Breaking** down. bacterial defences

By the Staff of Nature

Two Finnish scientists have invented what may prove to be drug. It goes by the unwieldy name polymyxin B nonapep-tide, PMBN for short, and breaks down the surface defences of bacteria to let in antibiotics that would other wise be excluded

The drug works on "Gram

negative" bacteria, a kind that

have particularly tough cell walls. Among them are Sal-monella typhimurium, which is involved in food poisoning, which causes uninary tract infections, and Escherichia coli, common and barmless in the gut but the cause of infant meningitis when it escapes into the spinal and brain fluid. Those bugs, and others like them, can be difficult to treat because they resist the entry of antibiotics (the usual weapons against bacteria). Moreover, "complement", an armony of 11 proteins in human blood that help to destroy invading cells, also fails to make any impression on Gram-negative bacteria. Therefore, they can multiply unchecked and cause acute systemic infections. One antibiotic that does kill

Gram-negative bacteria is polymyxin, a peculiar molecule consisting of a peptide loop and a short tail. Polymyxin works by attaching to the surface of bacteria, loosening up the surface membrane and then entering the cell to kill it. The difficulty is that poly-myzin also attacks the internal membrane of human cells and so cannot be used therapeuti-

The toxicity of polymyxin for human cells can be prevented by clipping off the molecule's tail, but the PMBN that results is no longer able to kill bacteria. But does it still loosen the bacterial membrane?

Dr Martti Vaara and Dr Time Vaara, of the National Public Health Institute and the University of Helsinki, argued that if it did it might let in other antibiotics and might also let natural "complement get a hold.

The Vagra's hypothesis

proved dramatically true. Autiiotics in the presence of PMBN become up to 100 times more effective, at least against the main organism b the Varra's experiment, E coll from a meningitis patient. esitive" to PMBN as the E coli, the Varras say. More-over, PMBN enabled a preparation of guinea pig serum, containing "complement", to kill the test bacteria.

empting to determine to what extent that principle could be applied to the treatment of bacterial infectious". Source: Nature, vol 303, p 526, [June 6, 1983].

D Nature-Times News Service, 1983.

#### **Forgotten** statue sells for £213,125

A 13th Century BC Egyptian statue, which lay forgotten in a disused railway station for more than fifty years, was sold at Sotheby's in New York on. Friday for £213,125 (\$341,000) more than twice its top estimate, and a record for an Egyptian work. The buyer, who was not named, bid by tele-

The granite statue of Merenpiah, royal scribe and chario-teer to the Pharaoh, Rameses II, is just under 4-ft high, and weighs about a ton. It was dug up at the end of the last century by Sir Flinders Petrie, known as the father of Egyptian archaeology, who brought it to England,

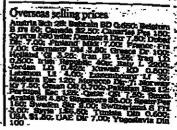
It was lent by Petrie's sponsor, the Egypt Exploration Fund, to the British Museum, where it is said to have stood in the portion.

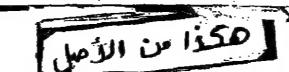
In 1887, the Egypt Exploration Fund presented the statue to the small Chatauona Museum in New York State, where it remained until 1930, when the museum closed. All its possessions were dispersed and only the Mere uptah statue, packed and crated for an unknown destination, was left at the Chatauqua station, since also closed, where it remained for more than 50 years.

The owners of the station and also of the former Chatauqua museum, an educational organization, the Chatauqua Institution, discovered the crate recently on a general inspection.

#### Correction

Carlsberg's lager browery at Northampton is owned by Carlsberg (Great Britain), not Greenhall Whitley as stated in a Special Report on June 6.





#### Put the children's rights and needs first in divorce, church urges

The Rev John Bradford as a blackmailing weapon to which matrimonial matters are yesterday urged people to make the other side yield on handled." He has admitted that recognize that the children of certain articles, possessions, the present system is complex and needs which have got to be considered right at the heart of the divorce process

Announcing the publication of an ecumenical report on Children and Divorce, Mr Bradford, chairman of the ecumenical working party, added that in the Church of England "for far too long the issue had been over whether the remarriage of divorcees is right or not. What we are saying is that the key question, the matter of paramount concern, is how we are caring for the children."

The report calls for wider conciliation so that arguments over access to children can be resolved quickly. Welfare reports should be produced on all children in divorce cases.

On access arrangements Mr Bradford said that the child "should not feel utterly locked and hemmed in, and unable to move, enslaved by the sort of system which has been set up by the probation officer, ratified by

Mr Bradford, said that there were many myths about div-orce. The first myth is that divorce is private to the couple, even when children are involved. We do not believe that is true."

divorce is "just a mess, and that court. irresponsible.

the issue of custody and access mentary concern at the way in adjourned until July 8.

involved

in struggle'

Emphasizing that more than varying scales of costs.

The Law Society points out 200,000 children a year are The Law Society points out affected by divorce, he said that the proposals differ from its securely voted in without any for the long-standing proposals about family courts to be implemented":

#### Family court idea welcomed

The idea of a new, single court to handle family matters in place of the present split jurisdiction between the High Court and county courts was welcomed by the Law Society yesterday. (Our legal Affairs Correspondent writes).

In a memorandum in response to proposals by the Lord Chancellor in January on a family court, it says it approves the suggestion that most family matters, including divorce, family provision, adoption and hip should be allocated to wards a special family court with its

It urges the Lord Chancellor Dublin. to take the opportunity to change the present rules so that solicitors would be allowed to conduct appeal cases before He regarded the idea that High Court judges in the family

The Lord Chancelior's proresponsible.

posals are in response to damages against Dublin corporHe added: "Parents who use increased "public and partiaation by the chib's owner was

certain articles, possessions, financial, or other aspects, we cannot deplore this enough."

the present system is complex and encorages shuttling of cases between courts because of

"With a new Government own for a family court, detailed party point being made, this that counselling services would would seem a very good time not, for the moment, be for the long-standing proposals integrated with a new family in A Better Way Out in 1979, in court. Magistrates' courts would also keep their own separate matrimonial jurisdiction.

It says all care cases should go before a family court and calls on the Government to include legislation for its creation in the next Parliament

#### Disco fire deliberate

A St Valentine's night fire in which 48 teenagers died was started deliberately a court in Dublin ruled yesterday. It accepted the evidence of Dr Robert Watt, an English forensic scientist, thatt the fire could not have been an accident. The fire happened in 1981 at the Stardust discotheque club in

hearing: "The heat generated by the fire was greter than that from several power stations,"

He rejected the possibility of an electrical fault A claim for £IR3m malicious

#### herpes cure trials

By Nicholas Timmins

A second pathologist yesterday told the inquest into the death of Mr Colin Roach, the black youth who died of a shotgun blast in the entrance to Stoke Newington police station, that the injury ap-peared to be self-inflicted.

Dr Ian West, a consultant in rensic medicine at St Tho-Hospital, who was called the Roach family to ke the second post-examination, said

es nothing to suggest ityone else was involved. "There are no marks to suggest he was involved in a ight or a struggle, no grip on his arm, "If mebody else had gone up to n and put the gua in his oth, unless he was willing. y are going to have to have ed the gua through the th and lips."

that case the lips would tashed and teeth broken, there is no sign of it".

added: "I can see ng to suggest that someelse had deliberately put gun inside the mouth and pattern of self-inflicted

The jury heard from Police Constable Brian Jackson that he was on duty behind the counter at Stoke Newington police station on the night of Vednesday, January 12.

At about 11.30pm he heard a loud bang and looked up to see a dark object strike the outer glass doors. He went through the police station foyer and into the lobby and saw a young man sat on the floor to his right, his head slumped forward.

There was a towel on his shoulder and a shoulder bag on his body. "I thought there was nothing I could do for him. I thought he was dead."

He went through to the street with another officer who questioned a man who had just gone round a corner. There was no one else in the street that he could see. When he returned the towel had fallen

A video film was shown to the jury of test firings of the shotgun to show how far it could have recoiled from Mr Roach's body when it went off.



IL IMPORTED GERMAN LAGER

#### Roach 'not | Go-ahead sought for

The Committee on the Safety on Medicines will be asked soon to approve clinical trials for the first breakthrough in a cure for

The possibility of a cure for the recurrent venereal disease, which has about 100,000 British sufferers, has been raised by scientists working at Birmingham University and the Centre for Applied Microbiology and Research at Porton Down, Wiltshire.

Trials carried out on herpes sufferers have shown a remarkable success rate. Two injections of the new virus, produced from a related herpes virus type, one which usually causes sores around the mouth, have protected 97 per cent of the partners of known sufferers against attack. Patients who had suffered one attack only were treated with three injections, which prevented a recurrence in

75 per cent of cases. A group of patients who had several attacks also received three injections. They felt that their conditions had improved, but no controlled trial on the effect on their condition had

been carried out. Scientists involved in the research believe that the new virus could be on general prescription within five years if controlled clinical trials, sanctioned by the committee prove

Tests have been carried out only on volunteers to date, proposed Approval for clinical trials sore.

sufferers who have been told that their condition cannot be The scope of the clinical tests which seem certain to be sanctioned, will be test to the researchers, the Department of Health and Social Security said yesterday. At the end of the

would enable researchers to run

controlled tests among herpes

trials, the product will be considered by the Committee on the Safety of Medicines. It will then recommend to the DHSS whether it should be licensed for general use. A successful treatment for herpes would have an international market, particularly if

it passed the strict dury codes enforced in the United States, where the disease is particularly Professor Jack Melling, who has been leading the Porton Down team, which has cooperated with the Birmingham unit

that the work offered great hope to sufferers, but it required further evaluation before he could be entirely optimistic.

The disease is sexually transmited and caused by the herpes simplex type two virus. It is recurrent and gives rise to painful sores, usually in the genito-anal area. The initial attack is often accompanied by symptoms similar to influenza and can cause emotional des-tress, which is not always proportional to the size of the

#### **Poison study of soil**

fund research on whether Walsall in the West Midlands is

A team from the university's A team from the discovered "hot ment has discovered hot spots of cadmium in soil from gardens in the town. The researchers have found

above-normal deposits of lead, cadmium, nickel, copper, and zinc in soil samples taken all over the West Midlands and believe they are from air pollution and industrial use of

Dr Frank Joyce, head of the department, said however that no deposits above safety levels. had been found yet, but that cadmium was going down.

TV-am yesterday introduced Diana Dors, the actress, as its new star on Fridays. She

has been hired to put over a

new but gentle dietary plan

. Miss Dors is pledged to lose 52lb by her 52nd birthday in

October. In the past seven

weeks she has shed a stone

which for a self-confessed "chocaholic" but non-drinker

is a considerable achievement.

She weighed in at 14st 3lb

The secret of the 16-week

course is that the slimmer can

get on with it in the privacy of

Miss Dors, who was wear-

ing a royal purple kaftan and several ounces of gold jewelry which said did not affect

the scales, is against classes for the overweight people. "The idea of a really fat lady rolling around the floor in

a leotard is grotesque-they do

not want to show themselves to

each week

Scientists at Aston Univer- deposits were still being made sity, Birmingham, are seeking and that long-term effects were an EEC grant of £240,000 to unknown.

The team sees Walsall as a good test area because of its long industrial history. Dr Joyce said: "If it is safe in Walsall, it is safe anywhere." The town estates built over old metal workings nearly fifty years ago and long-term effects, if any, should exist in older inhabi tants.

once it has been taken up in food and has been held responsible in Japan for liver damage and other disease."

.Dr Joyce said that research seemed to show that the rate of Cancer Research Fund, PO Box deposit of all metals except 123, Lincoln's Inn Field, Lon-

Dieting with Diana Dors on TV-am

By Kenneth Gosling

Women were fed up with "all this gimmickry" and there

would be no strenuous Jane

Fonda-type movements for

Miss Dors recalled her own

"fabulous figure" when she weighed a trim 9st 2oz. In

1976 she lost a stone and a

half after an illness but she put

it all back on again. "It is the old lasting habits that really kill you," she said.

She makes her first appear-

ance this Friday at 8.45 am

and dismissed an apparently

popular idea that she always lies in hed until bachtime, "I

am at my best in the mornings," she said.

Would her course help TV-

Mr Greg Dyke, editor-in-

chief of Tv-am, hopes Miss Dors would stay on after the

16 weeks; she cavisaged some kind of "agony auntie" role.

am? "It could not have got any

worse, couldit?"



#### of Calvi hanging

scaffolding just above water level on June 18.

A statement was read from

signor Lovenzo Catvi, the dead man's brother saying that Signor Calvi, president of the Banco Ambrosiano, had been in good physical and psychological condition. Although he had worn a moustache since

his youth, he was clean shaven

He also confirmed that his

brother had cut his wrists and

taken tranquillizers in 1981

when it became apparent that his banking empire was in trouble. Signor Calvi had been convicted of currency offences in Italy and sentenced to four

years in prison. He had fled to London days before his appeal

against the sentence.

Mr George Carman, QC, for the Calvi family, produced

the only new witness, Mr Robin Ekblom, senior hydro-

graphic surveyor. He said that from where the rope was tied to scaffolding he would have had to wait until 3am for the

tide to fall sufficiently for a

The jury was told that Signor Calvi's body was seen at 7.30am by an office worker.

He was carrying a false passport. There were five stones and half-bricks in his

jacket and trouser pockets and in the front of his trousers.

The police found £7,367 in

foreign currencies in his

pockets, with correspondence,

when he died.

The jury at the second inquest on Roberto Calvi, the Italian banker found hanging from scaffolding under Blackfriars Bridge, in London, a year ago, yesterday visited the

women were taken by police van from the City of London Coroner's Court to Thames embankment where they were shown the position

The new inquest on Signor Calvi, known as "God's banker" because of his close links with the Vatican bank, was called after the High Court quashed a majority verdict of snicide last July.

The judges ruled that the jury had been misdirected from an open verdict and had not been given enough time to

Yesterday the inquest was convened with Dr Arthur Gordon Davies, the Southwark Coroner, conducting proceed-ings. The family has asserted that Signor Calvi did not kill himself and his daughter, Signorina Anna Calvi, and Vittorio Senso, her boy friend, are expected to give fresh evidence about his state of mind just before he died.

me written docu-Signora Clara Calvi, left the

Cancer risk

warning on

fatty food

At least 30 per cent of cancer deaths could be averted by avoiding certain foods, Pro-fessor Sir Richard Doll, director

of the Imperial Cancer Research

Fund's epidemiology unit at

Sir Richard, one of the men

whose research in the 1950s first established the cancer risks of

smoking, said that animal fats

and fatty dairy products in particular, could be dangerous.

having been rare in Japan,

cancer was increasing with the

introduction of the fathier, western-style, foods.

Vegetables and high-fibre foods provided a healthier diet, Sir Richard said.

Dr Jack Cuzick, the fund's

chief statistician, said that the

introduction of a computerized

system for offering women cervical cancer tests could save

half the 2,000 annual cervical

cancer deaths by early detection

Copies of the booklet are available free from Imperial

Mr Dyke regards the present average rating for the station of 700,000 as "a bit

cited. There was the election and the school holidays. If it

holds up for six weeks it is a

Diana Dors. Someone wanted

to know if their would be a

nubile girl to do the exercises and titillate the male viewers.

But the last word went to

"This", she growled, "is

mainly for women, why should we want to titiliste men?"

As for the diet, the only ches yesterday were its title, X-Cel, a cellulose plan based on high-fibre foods with traditional calorie counting, and a recipilor as sweet called a recipilor as weet called

apricot chiffog, composed of lemon jelly, boiling water, two

caus of apricots and half a pint

Recipe cards and exercise sheets will be available.

of natural yoghurt.

different matter."

us-we are not too ex-

through regular tests.

Among the evidence he cited at a press conference to launch the fund's new booklet, was that

Oxford, said yesterday.

delayed by legal arguments told the jary that he had excluded so courtroom on two occasions when she became distressed by evidence about how the body was found kenging from

gold watch. There was no key for the Chelsea apartment where he had been staying.

freefall.

#### Sun cartoon censured

The Sun, newspaper, four were coloured, one had black hair, two were wearing a fez and one a turban, the Press Council was

Upholding complaints about the cartoon, published after 286 social security claimants were detained in Oxford by the police, the council said today that it distorted events, damaged racial harmony, and was based on a serious misinterpret-

ation of the facts. showed a court with defendants merely to a particular section of it.

A reporter for The Sun knew that passing in front of the magis-

Oxfordshire Council for Community Relations, complained

Out of 13 social security events by depicting as defendswindlers shown in a cartoon in ants a disproportionately large The Sun, newspaper, four were number of black people or people of foreign origin.

The Press Council's adjudi-

on a serious misinterpretation or travesty of the facts. It distorted events by depicting a disproportionately large number of the defendants as black or foreign. It disregarded that 114 out of 286 ged racial harmony, and was detained were released without charge. It was clearly damaging to racial harmony and was likely to be offensive to the public at large, not

Mr Philip Kingston, a lec-turer at Bristol University, and to publish a cartoon implying the detained were black or coloured. It contrary without checking.
The complaint against The Sun is

#### **BR** purge on fare fiddlers

A new campaign to tackle fare dodging on trains was launched yesterday with an appeal to passengers to "tell on cheats". British Rail said that as many as one in four passengers into London's Liverpool Street and Fenchurch Street stations could be dodging fares.

Mr Kenneth Callender, the chief ticket inspector at Liverpool Street, added: "Passengers are dodging fares on a regular basis. And at any of the main line stations you go to on any day of the week, you can pick up the same result". Frauds involving season tickets were at the core of the problem.

More people were informing on others already and Mr Callender added: "We are hoping to recruit the public to help us to track down the fare 'dodgers".

British Rall says cheats are

costing it £1m a year in the Liverpool Street division.

#### 'Coronation St' star for trial

Peter Adamson, who stars in the television serial, Coronation Street, was sent for trial yesterday to Burnley Crown Court on two charges of indecently assaulting eight-year-

old girls. Mr Adamson, aged 53, who plays Len Fairclough, was charged under his full name of Peter George Adamson, when he appeared at Rossendale magistrates court, Rawtenstall, Lancashire. He elected for trial by jury at an earlier hearing. Reporting restrictions were not

#### **Shoppers** charter

The National Federation of Meat Traders launched a customers charter to protect shoppers yesterday. Under the scheme the federation will investigate any complaints made against member butchers.

#### Murder charge

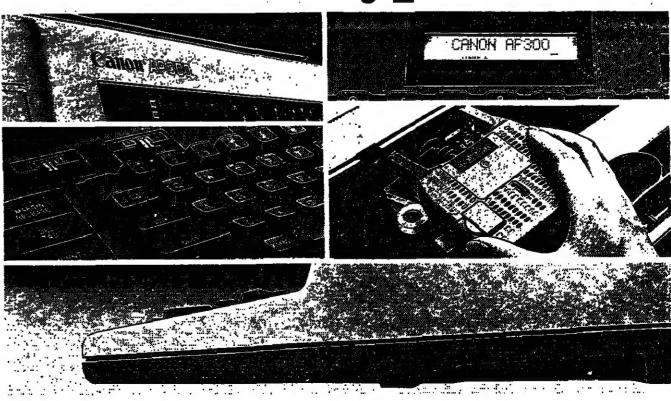
Dennis Cunningham. aged 31, of Maysoule Road, Battersea, south London, and his sister, Rosemary Clarke, aged 20, of Ingrave Street, Battersea, were remanded in custody until June 20 by South-western magistrates yesterday after being accused of murdering Fiona MacLaren, aged 14, of Headington Road, Earlsfield, south-west London.

#### £55,000 for fall

Mr Ralph Drewery, aged 36 of Pinner Road, Harrow, northwest London, who injured his floor of Clerkenwell fire station. London, as awarded £55,000 damages in the High Court yesterday. The Greater London Council had denied liability for the accident, which happened in

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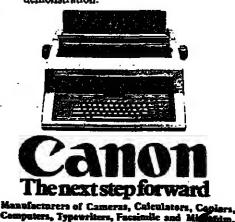
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#### Black miners flex new union muscle and demand 30% pay rise

From Michael Hornsby, Johannesburg

Mines, which represents the houses, sits down for the first time today to negotiate wages and conditions of employment with a recognized black miners' union. Hitherto, these matters were in effect simply decided by the chamber.

recognition of the new union, compared with R1.448 for the National Union of Mineworkers (NUM), were agreed in principle on June 2, and the final agreement signed a week

The union founded last August, claims a signed-up membership of about 25,000. It has refused to register with the Government

In a statement issued vesterday, Mr Cyril Ramaphosa, its 30-year-old general secretary, said the NUM would be asking said the NUM would be asking said the NUM would be asking across the board. "We believe have improved greatly in recent to recognize of the agreement to recognize the NUM are far-reaching." afford particularly if they are committed to the principle of closing the wage gap between black and white."

About 42 per cent of the 455,000 blacks in the gold, copper and platinum mines come from foreign countries—

ending of racially-based job lands", the biggest supplier reservation. Blacks are barred being Transkei. In 1974, 79 per

From Robert Fisk Beirut

mass of brown and black smoke

For the British soldiers

positioned in their multinatio-

nal force contingent head-quarters a mile away in Hadeth,

Israelis around Beirut, in the

Chout and in the Bekaa valley

since May, killing 12 Israelis and nine Lebanese. The Israeli

authorities are not reporting all

the ambushes that now occur.

particularly those in the Tyre

area, unless they suffer casuali

There were several reports

that Israeli tanks and

from southern Lebanon yester

helicopters were securing an area north of the Litani river

after a mass breakout by

prisioners at the Ansar prison camp in southern Lebanon

where more than 4,000 Palesti-

mans and Lebanese are being

The Israeli authorities in Tel

Aviv said that the situation at Ansar was "normal" althouth

several roads in the district had been cut off by the Israelis yesterday afternoon. There have

been constant reports of unres at Ansar and in the neares town, local Lebanese spoke of

clouds of smoke hanging over the camp during the morning.

held by the Israelis.

the early years of the century under which only "scheduled persons" (i.e. whites) can obtain blasting certificates showing

At the beginning of the year the average black wage in the The terms of the chamber's mine was R268 a month (£156), whites. The chamber argues, however, that another R96 should be added to the black wage to cover free board and

they are competent to handle

lodging on mine compounds. The 28,000 whites working on the mines were granted an 8 per cent rise last month.
Under South African law, all but a maximum of 3 per cent of black mine workers are forced to be migrants, separated from their wives and families, and living in "hostels" on the mine

osing the wage gap between copper and platinum mines account for about 45 per cent of ack and white."

come from foreign countries – the country's export earnings He also called on the mainly Lesotho and Mozam- and also furnish the exchequer chamber to "state unequivocal- bique. The rest are mostly from with its single biggest source of ly" that it is committed to the the republic's tribal "home-

South Africa's Chamber of from becoming fully fledged cent still came from outside lines, which represents the miners by a law dating back to South Africa.

The migrancy of the labour force has been one of the main obstacles to the unionization of black miners. Access to the mine compounds by union officials for the purpose of recruitment is controlled by the mine managers, and some are much more accommodating

Although the NUM has been recognized at this stage as the negotiating agent only for some job categories on no more than eight mines, all but one of them belonging to the relatively liberal Anglo-American Corpor-ation, and although its membership is small compared to the size of the total workforce, it is thought likely that any pay increase agreed with the union will in practice be extended to

in the gold mines alone, which

Leading article, page 9

#### Guerrillas Altar protest puts killed by Begin on the rack own bomb

Three guerrillas blew themselves to pieces with their own bomb yesterday as they tried to plant 100 kilograms of TNT beside the Israeli Army's main supply route around west Beirut. Their car exploded in a

outside his front door for the past two months. near the suburb of Shweifat halt a mile from the nearest Israeli session, a number of ministers troops, leaving the corpses of the three men strewn amid the trees of an olive grove. called for the macabre roundthe-clock vigil to be banned after hearing from Mr Begin about 'the personal suffering' which it was causing him. But the demand was rejectedt by Dr Joseph Burg, the veteran In-terior Minister, who explained

that it had all the necessary clearly visible, it was a classic permits. "own goal" of the type familiar to them in Northern Ireland. The tools of the demonstrators - all Israelis who claim no particular party allegiance -are stark and few. They include a makeshift scoreboard of the mains still had not been identified last night, apparently were trying to find a side road off the main highway in order to latest death toll, a memorial candle for the fallen, a mock-up of the Lebanon campaign avoid an Israeli checkpoint ribbon which more than 1,000 when their car bumped heavily reservists have already returned on the rutted tarmac surface

withdrawal.
This is a unique war tor It was the second atempted ambush on Israeli troops during Israel and a unique type of the day, in the morning, a rocket-propelled grenade had protest to go with it. We hope we are like a Chinese torture been fired at an Israeli patrol in dripping down on Mr Begin's conscience", explained Mrs the Chouf mountains without causing any injuries. According Edna Nashiv, one of the two volunteers maintaining the altar to the statistics of the Lebanese police authorities, there have been a total of 24 attacks on the vigil yesterday for a four-hour

Those gathered round the altar less than 25 yards from the residence, included a 67-yearold pensioner who expressed

US envoy ends

Latin American

tour in Mexico

Mexico City (AFP) - Mr Richard Stone, the roving US

ambassador spent the last leg of a 10-country Latin American

President Reagan's newly

appointed special representative

had already visited El Salvador

Costa Rica, Panama, Colombia,

Venezuela, Honduras, Nicara gua, Guatemala and Belize.

Diplomatic sources and Foreign Ministry officials here said the Stone visit would be an

occasion to review basic US and Mexican differences over the

the possible solutions to Central

America's conflicts.

tour in Mexico.

Of the rash of anti-war backing for an immediate pullprotests staged throughout Is-rael since the invasion of professor of 80. He claimed that Lebanon, none has been more israeli troops were being used as Israeli troops were being used as "mercenaries" to defend Ameridisquieting for Mr Menachem "mercenaries" to defend Ameri-Begin, the Prime Minister, than the symbolic altar for the Israeli the 500 death toll could double. dead which has been erected

Despite the proximity of the altar to the Prime Minister's ast two months.

At Sunday's stormy Cabinet closer until moved back by police), the demonstrators claim that he has never looked in their direction or crossed Baifour Street to hear their point of

> "We are happy to hear about his suffering at least it shows we are getting through", Mrs Nashiv said. She is an office administrator with a 16-yearold son who will soon begin his military service. "This was not a war that Israel was forced to fight: this time we had a

The protesters refrain from shouting slogans or accosting disinterested passers-by, maintaining that their silent presence beside the flickering candle and in the long run prove more

In the weeks that the demonstration has been in progress, the number on the scoreboard has risen from 476 to 500. The large figures, drawn in red ink and kept up-to-the-minute, have become a sad landmark for many Jerusalem people who follow the busy street on their way to work Some stop their cars and get out for a minute to stand with bowed head before the memorial flame.



Island welcome: President Mitterrand meeting Corsicans during a walkabout yesterday in Ajaccio.

#### Corsica told to stay part of France

and heckled by Corsican nationalist students in the island's former capital of Corte yesterday as he began a twoday tour of Corsica, the first official visit to the island by a French president for five years.

The outlawed Corsican National Liberation Front (FLNC), which wants total independence from France and whose name was being shouted by the students as M Mitterrand arrived at the University of Corte, has announced a "truce" for the duration

of the President's visit. The FLNC has claimed responsi-

the Community when they met

in Luxembourg yesterday to discuss it for the first time.

for conflicting reasons. Some

countries, notably France and

Italy, felt that it went too far in

urging reform; other countries, notably Britain, felt that it did

not go far enough.
Sir Geoffrey Howe, the new

larly disappointed that it con-

tained no clue as to how much

Britain might be offered in its

sing for the timetable to be

agreed by the European summit

meeting in Strittgart next weekend. It believes that only

heads of government have the

if it is to avoid going bankrupt.

West Germany will be pres-

1983 EEC budget rebate.

Ominously, it was attacked

President Mitterrand was boosd bility for three quarters of the 292 bomb attacks on the island this year, including the 57 explosions on the

night of May 22. M Mitterrand told the president of Corte University that the students' shouting had not bothered him. "I have good ears and can discern among the cries that reach me all the sounds of uncertainty, anxiety and revolt. In two years, we have done a lot (for Corsica), but not enough. So let us continue", he said.

Later M Mitterrand flew to Sartene in the south of the island where he condemned all acts of violence. One of the reasons for his visit was to remind people that "Corsicans are Frenchmen, and I am their friend", he said.

Throughout the day, the President sought to emphasize his belief in both the special nature of the Corsican people and in their being an inalienable part of the French Republic.

 AJACCIO: M Roger Quilliot, aged 58, the French Housing and Urban Affairs Minister, who was in the President's party, was flown to hospital here after suffering a heart attack during a banquet in Corte, AFP

**EEC facing bankruptcy** 

#### German timetable for cost-cutting measures comes under attack

A tight and controversial timetable for slashing EEC expenditure, which is being put forward by West Germany, the particularly for agriculture, reforming existing policies and devising new ones. The dates put forward in the paper include current president of the EEC's the following: JULY: An end to negotiations Before then the council should council, came under strong attack from foreign ministers of

on reforming the Community regional fund, aimed at concentrating resources in the poorest areas. Discussion on this at last month's foreign ministers'

cent higher than last year. Negotiations should start "as soon as possible" so that next year's EEC budget can take the savines into account.

BY AUTUMN": Proposals on funds and making sure that policies are complementary must be forwarded by the Commission so that "greater

necassary political ability to "BY THE END OF 1983": The take the vital decisions on basic principle facing the Community Community court of auditors will have been instructed to produce a review of the cost effectiveness of Community The timetable is aimed at agreeing cost-saving measures,

activities "involving substantial expenditure". "BY MID-1984": Negotiations

for the entry of Spain and Portugal should be completed. agree on organizing agricultural regimes for Mediterranean products. The West Germans are also

month's foreign made no progress.

MID-SEPTEMBER: The new community policies.

Commission should put for especially in high technology ward proposals for cutting back areas, with negotiations on model projects to be completed model projects to be completed. calling for quick proposals from

Only in the context of all the question of finding a 1983 rebate for Britain, or of discussing whether or not member states should be forced to contribute more to the EEC budget to stop the community

from going bankrupt.

The Commission has already put forward a preliminary paper looking at ways of cutting agricultural spending, but it is a tired paper based on ideas which have largely been rejected by the council of ministers in

#### Republicans scent win for Reagan

Clearly encouraged by the scale of Mrs Thatcher's election victory, leading Republicans seem increasingly confident that President Reagan will also decide to seek a second term, and that if he does he will be reelected next year by as comfortable a margin as his British political alter ego.

As Mr Reagan's supporters start to plan his campaign, the President's principal Democratic rival, Mr Walter Mondale, the former Vice-President, is beginning to appear as a liability to his party. At the weeend, Mr Mondale

The latest indications that Mr Reagan will seek a second term came during a weekend meeting of the Republican nation

committee in Dallas Texas. Mr Ed Rollins, the White House political adviser, told the meeting. "I think without question the President's going to run. Either that or he's sure wasting a lot of our time as w

suffered an embarrassing defeat in a straw poll of delegates to the Wisconsin

convention,

start thinking about 1984."

#### was made during a Libyan festival in Sicily in October, 1981. Only the arrest of several separatists prevented the deal. Seoul warning

From Nicholas Ashford

Seoul (AP) - Mr Kirn Sang I Hyup, the South Korean Prime Minster, termed the recent hunger strike by mr Kirn Young Sam, a former opposition leader, "very regretable" and asid the Government may take action if social stability is threatened. He was speaking at the opening of a 10-day National Assembly session. Muslims freed

Fake nuns

hid drug

under their

habits

Paris (AFP, Reuter) - Three Argentine women disguised as nuns were arrested yesterday at

Charles de Gaulle airport in possession of 66lb of cocaine worth 2.5m francs (about £210,000).

After being alerted by the National Narcotics Bureau,

airport police organized patrols

and spotted three pretty women

dressed as nuns waiting to catch

a flight to Amsterdam. All had false passports and had arrived from Bogotá, Colombia. The drug was found beneath their

British woman

freed in Athens

Athens - Christine Pitcher, a 34-year-old Bristol woman serving a prison sentence here

on narcotics charges, was set

free vesterday after doctors said her addiction to heroin was under control, Mario Modiano

writes.
Miss Pitcher claimed she was

tortured by Piraeus police after

her arrest with a West German in January, 1982. Sentenced to four years for drug offences, she has been released almost two

years early under legislation encouraging medical treatment

Libya 'backing

Sardinia rebels

Cagliari (Reuter) - Libya has

offered arms and money to

bolster the separatist movement

in Sardinia, according to Signor Mario Marchetti, a magistrate investigating an alleged separa-

tist plot to end Italian control.

The first contact was through the Libyan Consulate in Milan

in April, 1979, he said, and a

firm offer of arms and money

Karachi (Reuter)-Military than "300" religious, militants detained in Karachi earlier this year during clashes between Sunhi and Shia Musicus in which at least 12 people died, prison sources said. In April military courts sentenced more than 250 to be jailed and flogged.

#### Mob fired on

Delhi (AFP) - Three people vere killed and seven wounded when police opened fire on a crowd trying to set fire to a police station at Nasik, in the vestern state of Maharashtra. An 18-hour curiew was imposed after shops were damaged by mobs protesting against the removal of statues of local heroes from the towns centre,

#### Mixed force

Hongkong - More than 200 women are serving in the Royal Hongkong Police Force - about a tenth of its strength - and more may be recruited after the arrival next month of Sir lames Crone, former Chief Inspector of Constabulary at the Home Office, for talks on reorganization of the force.

#### Police protest

Paris - Three right-wing police unions have said they will hold an indoor protest meeting next Monday, after Government ban on a sale march" called for Thirsday against the dismissar of the union leaders. All police tests on Thursday has been to celled.

#### Mosaic found

Damascus (AFP) A- vas fifth-century mosaic measuring 500 square yards, has been unearthed during work on the site of an ancient cathedral at Hama in central Syria, it was announced here. It bears several geometric designs in well-pre served colours.

#### Cyprus crash

Nicosia (Reuter) - A British Army pilot, Warrant Officer Anthony Davies, serving with the UN peace-keeping force in Cyprus, was seriously injured when his helicopter crashed in the mountains near the buffer zone separating Greek and Turkish Cypriot forces.

#### High streets

Brest (AP) - The town of Brest in Brittany yesterday began cleaning up more than 200 lbs of smelly dead fish dumped by independent fishermen protesting egainst illegal

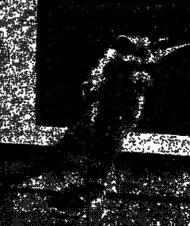
#### Misty eyed

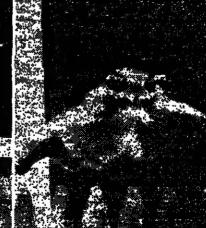
Jakarta (AP) - More than 33.
people reported blurred eyesight
after looking directly at a fiveminute total eclipse of the sm over central Java. Officials said normal sight could return in about two weeks with prope











Flying fur: How to escape from a blazing building, by a raccoon that made it in Boston. Take a deep breath. Look before you leap. Manfully face the target. Free fall to the ground 30ft below and run off into the woods near by.

#### The incentives willastound CASH GRANTS, CHEAP LOANS, RENT FREE FACTORIES, TRAINING AND RELOCATION ASSISTANCE, NEW FACTORIES, RENTALS FROM (1.10 PER SQUARE FOOT, ARE JUST SOME OF THE INCENTIVES AVAILABLE TO BUSINESSES SETTING UP IN MID GLAMORGAN, PHONE 07222-28033 EXT. 143 OR RETURN THIS COUPON TO . THE INDUSTRIAL DEVELOPMENT UNIT, MID GLAMORGAN COUNTY COUNCIL GREYFRIARS ROAD,

CARDIFF, CFI 3LG, AND THEY'LL TELL YOU ALL ABOUT THE INCENTIVES.

= = WALES WORKS WELL IN MID GLAMORGAN = ==

#### Hawke explains Vietnam aid at White House

From Mohsin Ali Washington

Mr Bob Hawke, Australia's Labour Prime Minister, met President Reagan here yester-day. They reviewed Vietnamese and other international issues. economic relations and longstanding defence ties between their countries. Administration officials dis-

counted the idea that Mr Hawke's position to the political left of Mr Reagan could cause some difficulties between them. One official said: "Our relationship has been strong in peace and war and does not depend on which party is in power in either country." He pointed out that both governments attached the greatest importance to the Anzus (Australia-New Zealand-US) defence alliance in the Pacific.

The official told reporters mere were no serious bilateral barbecue at Kingsmere farm, in problems. However, he said the Gatineau hills, at which Mr Reagan Administration was concerned about Mr Hawke's intention to resume economic aid to Vietnam before Hanoi withdrew its forces.

#### Royal tour of Canada **Lighter schedule for Princess**

The Prince and Princess of

Wales arrive in Nova Scotia today to begin a 17-day visit to Canada. It will take them to five of Canada's six eastern provinccs - all except Quebec - and to the western province of Alberta. Prince Charles will officially open the World University Games there on July 1, just before he and Princess Diana fly back to London. The Princess

will celebrate her twenty-second birthday the same day. The day before the games open the Prince will tour the athletes village and have a buffet lunch with competitors in

a cafeteria. The Ontario part of the Royal visit, June 20-22, will be confined to Ottawa, and the region of the national capital. It will include a walkabout on Parliament Hill, the inauguration of a police station, and a Pierre Trudeau, the Canadian Prime Minister, will be the host, In Ottawa, the royal couple will be guests of Mr Ed Schreyer, the Governor-Gen-

From John Best, Ottawa eral, and Mrs Schreyer, at

The official programme, released by the Prime Minister's office, appears to be a shade light on activities for the ncess of Wies. At a number of points, it lists activities for the Prince alone while there are no solo functions listed for the

Most of the tour will be centred in Canada's four Atlantic provinces, where the Royal couple will make extensive use of the Royal yacht Britannia as a floating home. These provinces contain some of Canada's oldest settlements and the visit will be full of activities with historic associations.

For instance, Prince Charles will tour Annapolis Royal, founded in 1604 and believed to inhabited town in North

In Shelburne, Nova Scotia, he will view buildings recalling the thousands of United Empire Loyalists who settled in that area 200 years ago, after fleeing the American Revolution. At

Saint John. New Brunswick Prince Charles will lay a wreath at a loyalist burial ground. In St John's, Newfoudland there will be the official opening celebrations marking the 400th anniversary of Sir Humphrey Gilbert's arrival in Newfoundland:

All in all, the programme had a strong meet-the-people flavour, with numerous walkabouts planned, and plenty of opportunities for the public to the Royal couple. The ceremonial

mostly on the light side. At least three official tree-plantings are planned and on most nights in the Atlantic provinces, the royal comple will be treated to military beat-the-retreat ceremonies before turning in. In terms of public interest. the oldest continuously the visit may rival the royal tour which Prince Charles's grandfather, King George VI, made with Queen Elizabeth, now the Queen Mother, in 1939, and that which the present Queen and Duke of Edinburgh made when she was

still Princess Elizabeth, in 1951.

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habits

Nuclear missiles in Europe

#### Moscow tackles dilemma over Nato

Key meetings of the Soviet issued in a Government state-Central Committee begins

Central Committee begins today, followed by a meeting of the Supreme Soviet. Much attention will be paid to domestic issues such as ideology and the ecomomy, and Mr Yuri Andropov's health. But the soviet leader may use the occasion to clarify Moscow's response to the planned deployment of cruise and Pershing missiles in Europe by December.

Sources said the Russians feit that the December deadline had put the pressure on Moscow either to "raise the stakes" by moving Soviet medium range rockets into Eastern Europe and the Soviet Far East, or to make concessions at the Geneva arms

The Soviet leadership had been taken aback by a series of uncompromisingly firm Westiles, the sources said, including the Williamsburg summit at the end of May and the Nato foreign ministers' meeting in

Paris last week

Paris last week

note of the sweeping election

relation in both Britain and West Germany, and the failure of peace movements to mobilize electoral opinion in Western Europe on behalf of unilatera-

lism.
President Mitterrand's firm support for Nato policy has caused further gloom in the Kremlin, reflected in a series of press articles criticising French

activities in Africa. Mr Andropov reflected the

leadership this week may ment on May 28, but added: provide an insight into the "We are ready as always for a dilemma facing the Kremlin fair and equal agreement...p-over proposed Nato missile rovided it does not leave us deployments in Europe, accord- defenceless in the face of ing to diplomatic sources here. hundreds of Nato nuclear A two-day session of the rockets to which we have no equivalent deterrent."

The Soviet Union has taken a sceptical view of President Reagan's offer of flexibility at the Strategic Arms Reduction (Start).

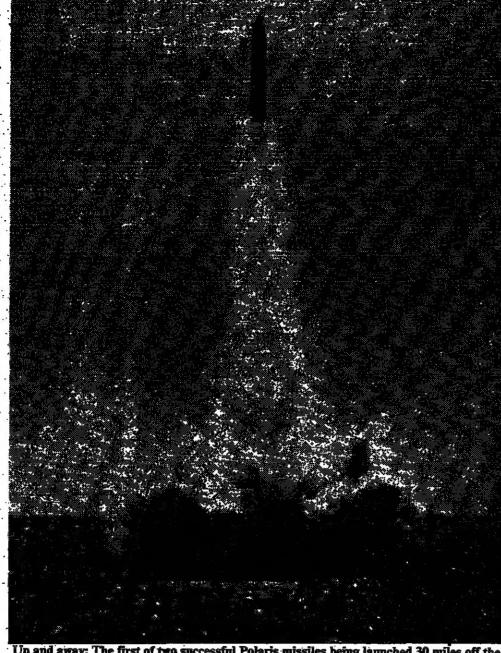
However, Mr Andropov is thought to be attracted to the idea of a summit meeting with Mr Reagan, and the Soviet press gave prominence to Mr Averell Harriman's recent talks with the Soviet leader. Tass quoted Mr Harriman as saying after his return to America that Moscow and Washington had got to begin talks sooner or later.

COPENHAGEN: The Nordic countries are considering their next move on the possible establishment of a nuclear-free zone comprising Scandinavia, adjoining Soviet territories and the Baltic, Christopher Follett writes. Mr Andropov indicated last week that Russia would be

willing to discuss the issue.

Mr Olof Palme, the Swedish
Prime Minister, yesterday told a
plenary session of the North Atlantic Assembly in the Danish Parliament that the zone would include Denmark, Finland, Norway, Sweden and Iceland, their sea and airspace
The possibility of a nonnuclear-free channel through
the Baltic for Soviet craft would

be left open. Mr Palme urged support for the recommendations of the so-called Independent Commission on Disarmament and Mr Andropov reflected the Security Issues, which he Kremlin's dilemma last week, chaired and which last year during a banquet for President recommended the setting up of Koivisto of Finland, when he a 190-mile wide nuclear wearepeated the tough warning of a pon-free corridor through direct Soviet response first Europe between East and West.



Up and away: The first of two successful Polaris missiles being launched 30 miles off the Florida coast by the submarine HMS Revenge Earlier this week, one of two missiles fired

#### **Prisoners** of conscience



By Caroline Moorehead

Vlado Gotovac is a writer, poet and editor from Zagreb in Croatia in 1972 he was among members of a "Croatian nationalist movement" agrested on political charges and was sentenced to four years' imprisonment.

In 1981 he was again arrested and charged with having "maliciously and un-truthfully represented socioconditions in the country with assistance from abroad" and of having "pro-voked national hatred and hostility by means of propa-ganda". These charges were based on the content of three interviews that he had given to foreign journalists between 1977 and 1980 in which he had asserted his belief in freedom of speech and discussed the historical problems of his

Mr Gotovac was found guilty by the district court of Zagreb. On January 20, 1982, after a failed appeal, he began serving a two-year prison sentence in Lepoglava prison.



Mr Gotovac: Three

#### Canaries counting on Soviet shipping

curbing of espionage risks and more local repairs and resupplyshould be no reduction in the ing of ships are being sought by Senor Jeronimo Saavedra, chief Soviet fleet's use of our minister of the Canary Islands'

minister of the Canary Islands' mean a serious blow to the first autonomous regional island's economy,"

The Canaries are the Russians' biggest facility in the siams' biggest facility in the west, and we want them to give less more for letting them use it. The Franco regime traded this, saset far too lightly', Señor Saavedra, a Socialist law professor, aged 46, told The Times The Russians are the bissest also Algeria. before the swearing in today of

> region, which consists of seven islands in an archipelago stretching westwards from only 70 miles off the African coast, pins its hopes on a new shipping agreement signed in Moscow last month by Señor Fernando Morán, the Spanish Foreign Minister. This replaces official

Top young

bullfighter

loses eye

From Harry Debelius Madrid

Triumph turned to disaster

for a young buildighter recover-ing in a Seville hospital after the

buil's horn gouged out his right eye in front of thousands of

Lucio Sandin, aged 19, a pre-university student from Madrid

and a *novillero*, or apprentice builfighter, had 15 days ago been carried in triumph from

the famous Maestranza bullring

in Seville on the shoulders of

Maestranza as the major attrac-

tion on a programme with two

and made a figurative sweep

round the arena with it dedicating the bull to the public.

calf knocked him down.
The animal lowered its head

A 957lb black fighting bull

The torero took off his hat

elirious fans.
He returned on Sunday to the be filled soon.

and plunged one of its long seniority will be able to replace

sharp horns into the man's right his authority and appeal in East

pectators.

delirious fans.

far-flung autonomous which consists of seven

for balance.
Under the new shipping

Tighter controls over the letters exchanged between in the bay but will be required soviet fishing fleets which Madrid and Moscow in the to tie up alongside. Repair work regularly visit the Canaries, the 1960s. by Spaniards in the local yards, rather than Soviet technicians "We asked Madrid that there flown in direct from Moscow, should reduce the loopholes facilities, since any cut would Moscow has exploited for mean a serious blow to the introducing intelligence agents island's economy,"

Police controls are also to be

nighened; smugeling by Russian sailors, as well as those of other

useres of these two ports after Spain. Señor Saavedra denied The government of Spain's however, there was a risk of over-dependence on them. He said that Japanese, South Korean and South African ships, the crews of which have greater individual purchasing power than the Russians, made

agreement the Russians will no longer be able to stay anchored

China looks

for Liao

successor

From David Bonavia

Chinese leaders are believed

to be holding last minute discussions on the choice of a

vice-president to replace Mr Liao Chengzhi, the most wide-

ly-tipped candidate who died

two days ago.

The New China news agency has confirmed that a president and vice-president will be

named on Saturday, and other high offices-especially that of the chairman of the military

Mr Li Xiannian, who is 78, is

generally expected to be presi-

dent-a post which has not been filled since the disgrace of the

late Liu Shaoqi in 1967, and his

death in prison two years later.

Japanese and overseas Chinese

affairs, died at the age of 75, and no other person of equivalent

wrist watches, which can be purchased at bargain prices in certain streets here, and then buy Western jeans, shirts and, oddly enough, unbrellas to sell back home at black market The Canaries, one of the best

Spanish regions to set up an autonomous administration, offer a tough challenge to Spain's devolution process under the Socialist Govern-ment. Under-development and chronic inter-island rivalries more central government sub-sidies per head of the 1,500,000 population than for any other region of Spain.

The Socialists start with a the Socialists start with a serious drought, high unemployment (20 per cent of the working age population), a high birth-rate, which means that almost half the population are under 25, and fishing restrictions imposed by Morocco in the waters off Western Sahara

#### **Conditions** ease for lone rower defying reefs

Peter Bird, the London Raines Island and Cape Weyhis 10-month solo voyage still faced the extremely dangerous task of negotiating a path
through the treacherous regist of were moderating despite forethe far northern coast of casts that the weather in the Oueensland.

Late yesterday, Mr Bird, aged rate. He was reported to be 36, was reported to be more than 100 miles north-west of Lizard Island close to the Great

photographer and rower extra-mouth, near the top end of the ordinary was nearing the end of Cape York peninsular. across the Pacific yesterday but spoke to the lone rower

relieved" to be near the end of his journey.

The area where Mr Bird is Barrier Reef. He is expected to trying to make way through the make land somewhere between reef is poorly charted.

area was expected to deterio-

Ramadan reasserts old values

#### Moroccans fast in daylight but feast by night

From Godfrey Morrison, Rabat

Women's hairdressers and cosmetic salesmen will be doing a very thin trade here over the next four weeks.

Ramadan, the Muslim fasting mouth, began in Morocco yesterday and hair adorument and make-up are two of the many prohibitions which transform life styles throughout the Islamic world during this mouth of self-denial and spiritual reflection.

Paradoxically, grocers -particularly those selling dates, nuts, exotic fruits, honey and other delicacies will be doing a roaring trade and the local press has already complained about the annual price surge.

The start of Ramadan is

controlled by the Islamic lunar calendar and on the sighting of the new moon. The fasting almost always begins and ends last in Morocco. It began in Saudi Arabia and the Gulf

all food and even non-alcoholic drink from dawn to dusk is the best known feature of Ramadan but there are many other ways in which life changes. European tourists will be

thronging the country's beach-es but few Moroccans, because daytime bathing is forbidden. Sex before nightfall is also out. Ramadan, apart from its religious significance, is also a time for the reassertion of traditional values in Muslim traditional values in Muslim countries, many of which have been marked by Western culture. Many Moroccan women, particularly in the towns, usually follow Paris fashions – but during Ramadan many revert to the jellaba,

varies from country to country.
President Habib Bourgniba of
Tunisia has in the past
recommended a certain flexibility. For instance, Islamic law exempts from total fasting

a people at war, and President Bourguiba has argued that his country is at war against economic underdevelop Ramadan slows the pace of emic and admini

night than during Ramadan. Streets usually deserted by 9 p.m. are thronged until the early hours with families strolling to listen to traditional music played in squares from which traffic has been banned.

It is also a time for family remions and housewives pre-pare midnight feasts. Several Moroccans have told me that they probably eat more during Ramadan than at any other time, which explains the

time, which explains the grocers' booming trade.

Though it is a time for religious reflection and the reassertion of traditional values – and people certainly suffer during the day – here, at least, Ramadan is not entirely a sackcloth and ashes affair.

#### Lawyer tells court of officers' terror

within days.

But after being refused permission to see his client he came to the conclusion that he

was cynically being denied

access. When he took the matter

up with a member of the Central Intelligence Organiza-tion (CIO), he said he was told:

"You cannot have access

because we are still working on

"Wing Commander Briscoe at one time expressed horror at his treatment", Mr Hartmann

put his arm around him to comfort him as you would a child and said words to the

A lawyer told the Zimbabwe Slatter, said in the period igh Court yesterday that he immediately after he was ad been shocked at the consulted by Mrs Jane Slatter. High Court yesterday that he had been shocked at the appearance of the former he had not been concerned deputy commander of the about the officer's treatment in Zimbabwe Air Force and custody. One of the investi-another senior officer when he gators told him AirVice-Mar-visited them in prison after shal Slatter would be released their detention last year.

Mr Michael Hartmann said Air Vice-Marshal Hugh Slatter and Wing Commander Peter Briscoe had "a look of sheer terror in their eyes." They were trembling, ashen-faced and very nervous, he added, and at one stage Air Vice-Marshal Slatter had comforted Wine Comcomforted Wing Commander Briscoe, "as you would

He was giving evidence before Mr Justice Dumbutshena at the start of the fourth week of the Thornhill sabotage trial. Six white Air Force officers have denied complicity in the sabotage of aircraft, claiming they

were forced to confess effect "Don't worry. We'll see it through, God is with us and we represented Air Vice-Marshal have done no wrong"."

Europe head quits From Michael Binyon

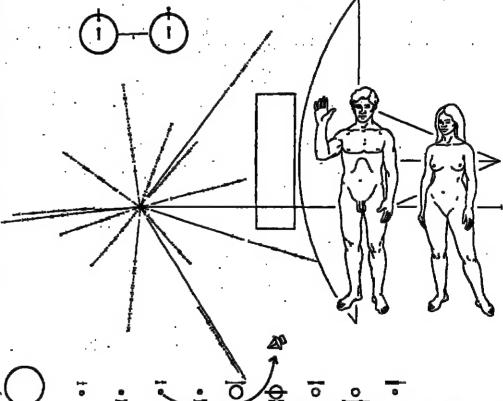
Radio Free

Mr James Brown, director of Radio Free Europe for the past five years, has resigned, the Munich-based station an-nounced at the weekend. He will, however, remain until the end of the year as an adviser to Mr James Buckley, the RFE president. His deputy, Mr Robert Hutchings, becomes acting director.

A spokesman for the American-financed station, which broadcasts to Eastern Europe, denied rumours that Mr Brown had resigned because of policy differences with Mr Buckley, a conservative former New York Senator appointed by Reagan Administration.

Radio Free Europe has attracted a very wide audience in Poland in the past three years, and has been strongly attacked by the Warsaw

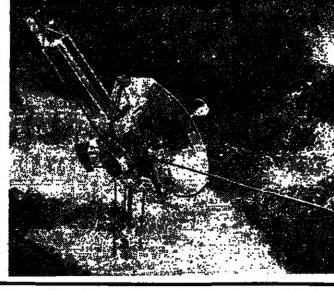
#### Man's space messenger on startrek



the first man-made machine to leave the solar system esterday, carries a messag (above) from mankind. Engraved on a plaque are a series of scientific symbols from which it could be calculated - if the spacecraft encounters forms of intelligent life -who sent them and from where. It also shows a chart of the nine planets of the solar system marking the one that sent the essage, and a naked couple. The quarter-ton spacecraft

Pioneer 10, which became

(artist's impression right) with its parabolic antenna pointing back to Earth had a planned life of 21 months when launched in 1972.



THE BRAINS **BEHIND THIS** INTELLIGENT MACHINE CHOSE TELFORD.

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#### SPECTRUM

Only four singles players in the history of tennis have mastered the grand slam's sequence of grass, clay and hard courts. In the second of three articles on the game's changing face, Rex Bellamy examines the international circus

#### Poetry, prose and priorities

The tennis circuit has its own monarchy, providing continuity and stability in times of radical change and, often, unrest. The first among equals in the game's international community could more accurately be described as a regency - that exercised by the grand slam championships of Wimbledon, the United States, France and Australia, all of which are big-entry tournaments spanning two weeks.

The four nations concerned dominated men's tennis until the second World War and, in spite of a relative decline by Britain and France, kept the Davis Cup to themselves until 1974. A grand slam - the term was borrowed from bridge, which used to be popular among off-duty players - consists of winning all four championships in an unbroken sequence.

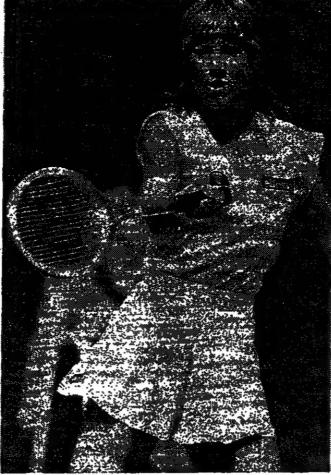
Oddly, it was not until last year that the grand slam was granted official status. But the feat was so rare that those who achieved it became legends. It does not take long to list them: Donald Budge, Rod Laver, Maureen Connolly and Margaret Court in singles, Frank Sedgman and Ken McGregor in men's doubles, and Ken Fletcher and Mrs Court in mixed doubles. Maria Bueno (women's doubles) and Owen Davidson (mixed doubles) were slightly different in that each had two partners during their all conquering progress round the world.

Laver did it twice, as an "amateur" in 1962 and as a professional in 1969. Chris Lloyd will join the elite if she wins the women's singles at Wimbledon this year. By the end of the year there could be an absurd contradiction in women's tennis because Martina Navratilova may win this year's inaugural world championship. Mrs Lloyd's performance would undoubtedly take precedence.

The women's game is better organized than the men's, and it is hardly surprising that, this year, they became the first to institute an official world championship series, with a graded points system for six different categories of tournaments. The mistake they made was to include so many events that the concept as a whole was devalued by the moderate quality of most of the components - in short too many vegetables and not enough meat.

The only way to give a world championship the distinction it deserves - and make it impossible for a grand slam winner to finish second - is to restrict the series to, let us say, half a sound that is all its own. dozen tournaments that meet strict criteria. The grand slam championships have set an appropriate pattern game's loveliest poetry and drabbest that would not need much adjustment. prose. Artist and artisan flourish side But a world championship series must by side. It is so difficult to put the ball





grass, you know what you are doing to

do - serve and volley, and smash, On

competed four times, and has yet to

reach the semi-finals. This year,

though, McEnroe played well enough

to suggest that one day he could win

wearying ordeal for players who also

want to do well at Wimbledon, and

some point out - reasonably - that it

does not make much sense to have two

say, all over again.

'majors" only a fortnight apart. That

The summer succession of Paris,

Wimbledon, and Flushing Meadow

(home of the US championships) is a

formidably diverse test. One of the

most admirable features of these three

great tournaments is that they are the

ultimate test of a player's ability on the

promising battleground than the base-

The snag about hard courts is that

their jarring effect can be damaging for the legs: muscles, joints, everything. But the stress of unexpected skids on

grass is bad for the groin-muscles, and

in Paris players must beware of cramp.

Every surface has its perils.
Within five years Connors had the

unlikely experience of winning the US

men's singles title on three different surfaces. Traditionally played on grass.

the tournament was shifted to clay at the same venue, Forest Hills, in 1975.

These clay courts were faster than the

European version, but were still too

slow to suit the American tempera-

ment. So hard courts, the type most

familiar to US players, were installed at Flushing Meadow when the cham-

pionships were moved to their new home in 1978. None of it made any

Hard courts have also been chosen for an enterprising event that will be inaugurated in 1985 and based in

Florida. The two players' associations

difference to Connors.

Meadow than at Wimbledon.

three best-known outdoor surfaces.

Jimmy Connors has never reached

clay you can do a lot more."

Feet on clay: Yannick Noah and Chris Lloyd were the winners at the French leg of this year's grand slam

surfaces on which tennis is most commonly played.

The grand slam is not - because the Wimbledon and Australian championships are both contested on grass. This is a rarity on the professional circuit: and none too popular among the players, because its playing qualities are so unpredictable. What a paradox it is that formal, conventional old Wimbledon is the place where players most often have to gamble and

The French championships are played on the gritty surface known as clay or shale. Compared with grass, this takes the pace off the ball and gives players more time for their shots. It demands a controlled facility in sliding into position. The rustle of shoes on shale gives clay-court tennis a

In terms of strategy and tactics, the French championships produce the and tactical trick in the book. Equally, the French championships pay rich dividends to anyone who has the patience and stamina and ball control. to stay on the base-line all afternoon, .. the final of the French championship making little effort to win points - just in seven attempts. John McEnroe has waiting for the other player to lose

There is much drudgery in the tennis, but there are also passages of surpassing beauty. Climbing mount the French title if he really set his heart tains is rather like that: tough on the on it. "There's room for improvelegs, but a joyous aesthetic experience. ment," he says. "I need more work on The smash-and-grab raids of Wimble-clay, but I don't feel motivated to face don, where rallies tend to begin and the job."

Those two weeks in Paris are a end almost simultaneously, cannot challenge the subtle magic of clay-court tennis at its best.

atrick Cash, an Australian teenager with a natural predilection for grass, recently spent 10 weeks on the clay courts of Europe. To be an all-round player," he says, "you must be able to play on every surface. So I decided to come in whole. a balanced sample of the an opening encourages every technical years to learn how to play on clay. On

promotion of the International Tennis Players' Championships, which will be played at Boca. West for two years before moving into a new, permanent home at Weston in 1987. The tournament will probably be played in the February-March period.

The exciting thing about this venture is that it will keep faith with the grand slam model: a five-event tournament lasting two weeks, with a draw of 128 in the men's and women's singles, and the men playing over the best three out of five sets in both singles and doubles. Tennis should thus have five "majors".

The men's entry of the Australian championships has declined during the past decade, particularly since 1978, when the grand prix Masters tournament (a showpiece event for the year's most successful men) was given a permanent base in New York in January - traditionally the heart of the Australian season. Last year the Australian tournament was moved forward, overlapping November and December.

here are plans to return to the beginning of the year in 1985 and to improve the facilities at Kooyong (Melbourne) as part of a comprehensive scheme designed to restore past splendours. But the players, certainly the men, no longer need the Australian championships as much as they used to: there are other ways of making money. Arthur Ashe suggested recently:

"Most players don't care about titles. Their first priority is the amount of money they can make." We certainly have to accept the fact that the majors" are not the irresistible challenges they were 20 years ago. Yannick Noah, José Higueras and Eliot Teltscher will be on holiday during Wimbledon. Others take a break during the French or US championships. They play the tourna-

ments that make most sense to them. There is, of course, a great deal more to the "majors" than the prestige and prize money they command, and the surfaces on which they are played. At all tournaments, players are sensitive to what might be described as their working conditions: the organization, the scheduling of matches, the quality of court officials, the hotel accommodation, and the arrangements for catering and transport. The more players enjoy a tournament, the more likely they are to go back to it.

Part of the enjoyment is the ambience. This can be difficult to define, but the location, the weather and the crowds are prime components. Two Americans who were ill at ease on clay but kept returning to Paris were Ashe, who found clay courts a fascinating intellectual challenge, and Stan Smith, who used to say that he

Whereas Wimbledon favours the and his wife simply liked the food. "big" game and Paris the specialist in Paris scores, too, because of the ground strokes, Flushing Meadow is a sunny weather prevalent in the Maycompromise between the extremes of June fortnight. Wimbledon is losing pace. In cricketing parlance, its hard contact with the English summer and courts might be described as fast-me-dium, and therefore provide a more Flushing Meadow tends to be muggy. On the other hand, most overseas players seem to be happier in London equitable test. The forecourt is a more than they are in New York, which line, but specialists in ground strokes have a better chance at Flushing strikes a discordant note for many Europeans, or in Paris, which can pose cultural and linguistic problems to Anglo-Saxons.

As for crowds, those at Wimbledon are the most overtly civilized in their behaviour, those at Flushing Meadow the most sociable, easy-going and lively, and those in Paris the most warmly responsive to artistry and character. Wimbledon could be likened to a church social. Paris to a village fete, and Flushing Meadow to a fariground: and all that is reflected in the collective personality of the

The weight of tradition is pushing the grand slam championships forward, rather than inducing a smug conservatism. Every year they are bigger and, in most ways, better. They have to be, partly because of the rivalry between them and partly because they want to maintain their supreme collective roles among the world's tournaments. Fortunes have been spent in an effort to establish tournaments of similar status. But the special magic of the "majors" is an elusive will be heavily committed in the commodity.

moreover...
Miles Kington

#### Mailer holiday

reading. What you need is not just bo that look nice and feel nice, but books can safely leave behind on holiday, or e at the airport before you depart, and worry about. You'll know that no-one want to remove them in your absence, # 15 that they'll still be there in a year's time.

So here is our list from the new stime.

The Country Diary of Adolf Hitler

A charming, recently rediscovery the late Chancellor of Germany. He can used to make ou-the-spot sketches of w he saw around him, and his observa was admirable, even if his notes some tend to wishful thinking his ambition find a blonde, blue-eyed bird, for insta-and his desire to fill all Europe German fauna and flora. His obs with protecting rare species in Poland; Czechoslovakia is puzzling, though it c explain the events of 1939. Anot mystery is cleared up by the entry: "Rux Hess not yet back from grouse-shootin hope all is well with him."

The Cambridge Footlights

The first complete history of this rat sinister Cambridge organization. Ost sibly just a collection of first-class brain was in fact a recruiting ground unscrupulous men from the BBC persuade them to abandon life as we kn it and go over to television. One of addest cases is that of Jonathan Mil who was trained for a career in medic and has spent most of his life trapped

The Ancient Egyptian Elections
The first of a series of historical books
which Norman Mailer intends to cover
the elections of Ancient Egypt. This one mere 900 pages, follows the campaign a of Menhiropec I who ran on a ticket more bread, cheaper papyrus and conqu ing the known world. The excitement of primaries in Thebes and Alexandria but up to an almost unbearable climar as, voting day, Menhiropec kills all his riv Another fine book from the greatest of American writers.

rench writers is that the main virtue of reach language is its complete incomphensibility, and of nobody is this truer th Nostradamus, the medieval French thi tank. Luckily, all is explained for us in new edition. One of his most impress forecasts is: "A great leader will gain 42 cent of the vote, leaving only 29 per c for a white-haired old man and 26 per c for the nicest but most ineffectual peoyou could hope to meet. A man cal Parkinson will come out of it well."

The Diaries of A. J. P. Taylor

Purporting to be the journals of the gr British historian Alan Taylor, this book been authenticated by many expe including Taylor himself, who says definitely remembers writing them. Yet text itself does not always bear this ( One of Taylor's marriages is total omitted, and the intermittently compli ing tone of the book is quite at variawith what we know of the man birds Opinion is now growing that these are, fact, a not very successful forgery.

The Pope in Poland: A Pictorial Record We are used by now to histor appearing within a couple of days of events concerned - often faster than the news pictures - but this is something at a complete record of an event which i not yet taken place. Included in the be historic photos of the Pope meet Lech Walesa again, the arrest of the Poby General Jaruzelski's men, the invasiof Poland by Russia, the revelation that Vatican had nuclear weapons all along, a the final dramatic scenes in which the Pt makes a sign and all is miraculous restored to the way it was before.

Superpriest! The Bruce Kent Story Another attempt in cartoon strip forms alert us to nuclear dangers. By day, Bri Kent is an ordinary Roman Catholic pris derided by his friend Sister Louise for t contributing to world peace. Little does know that when danger looms, Bruce Keslips into the nearest confessional, strips his robes and becomes - Superprise Flying quickly to the scene of peril, he p his impassioned arguments to the com tants and appeals to the studio andie vote for peace and sanity. Chastened, wicked world leaders slink back to it arsenals and Superpriest goes back to humble calling.
"Gee", says Sister Louise, "way or

you be dynamic and forceful for peace. Superpriest, Bruce?" Bruce Kent smiles. His own secret is with him in the confessional

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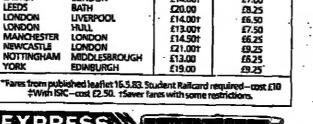
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#### TOMORROW

Wimbledon is still the Mecca of the faithful, but its success only disguises the problems which hinder the development of British players

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لفكذا من الاحل

#### FASHION by Suzy Menkes

## Taking art by the throat

Graham Sutherland's fierce lines are laid out on saxe blue silk. Matisse's stylized flowers bloom to the edge of the border.

ebulliently.
It is hard to believe that the designs by renowned artists now on display at the Redfern Gallery were ever destined to be worn. Yet the Ascher scarves of the 1950s were part of fashion as well as collectors' iter

They were the fruits of one of the most imaginative partner ships between fashion and art Zika Ascher was fired with enthusiasm to illuminate the



Jeen Atlan Germination

Britain. To his small London print works he brought Henry Moore, who is captured on camera surveying his work in one of the archive photographs in the exhibition.

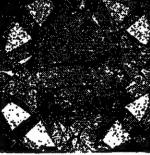
A gant Henry Moore panel (on sale at £8,500) is the grand design that is seen in more manageable (and buyable) form in the work by more than a hundred artists. They include lvon Hitchens, Barbar Hepworth, Lucian Freud Scottie Wilson and Derain hose lively and slightly folk



Alexander Calder La Mer

loric couple and dog contrast with the mainly abstract

had managed to involve so many major artists in his work. explained. "I made an arrangement with Henry Moore and with Feliks Topolski, although I had to sit in his studio to make him do anything. Then I went to Paris to talk to Matisse, His gallery agent told me I was crazy, so I looked him up in the



Barbara Hepworth Landscape Sculpture

phone book and just talked to

Zika Ascher is characteristically modest about the energy and effort needed to mobilize such a gallery of famous names and to translate their work on silkscreen. Only Michael Ayrton's spiky, threatening shapes ("I felt they were not pleasing") failed to make the transition to

The extraordinary artistic venture was never a money maker and Ascher abandoned it



Nicholas de Stael Ribbon Design

couture. He describes himself launching the 1950s flower print after running down the road after Christian Dior to ask the designer if he liked it. Many of the original works of

趱

art were dispersed for small sums, aithough Mr Ascher's son Peter managed to buy back the striking, formal Matisse panel, badly damaged by water stains. Some of the limited edition and other scarves are on sale

from (£50-£200) and no doubt some of the silken squares of modern art are stored away in drawers waiting to be discovered as forgotten master

Ascher Textiles at the Redfern Gallery, 20 Cork Street. London: W.I. until July 14. Saturday's morning only, late

## At last, the best of British



All the clothes on this page are look. This show completed a featuring ranges

tations, including a sharp new

their tailored clothes and they

cause for comment, but is actually a cause for rejoicing,

for a new wave of design is

apping against the more stolid.

British clothes.
Last Wednesday, Country
Casuals celebrated their tenth

birthday by showing a collec-

tion - for next autumn - in the

new mood. Slim skirts, strong

dolman-shaped knits, careful

colour coordination and now a

weekend range of casual sepa-rates have all loosened up their

BEAUTY REPORT

■ I lunched with Estee Lander

last, week on her annual June

risit and our first day of summer, Her own porcelain-fine skin has only a slight glow of colour, and that is the way she now feels it should be for all of us.

She says she recognized early on the harmful effects of sun

worship. "Warm and wonderful

as the sun can be, it can be

says. "And san damage is

cumulative, with over-exposure in previous years added to this

The Lander range includes
Sm Cover Creme ("for all-over
body protection and ideal for
sports".) As well as the Sun
Protection System, the ordinary
skin care and cosmetic range

contains protective factors, especially the Polished Performance Liquid Make-up with a built-in screen, the Liquid Blusher Color Wash with a Sim

Protection Factor (SPF) of four,

searched the ability of the skin to withstand the sun, especially

at first exposure and during the

noonday period. Their Outdoor Protective System is designed to

shield the skin both from the

sun and from the drying effects of outdoor activities - swimming sailing, hill walking, or even jogging through the polluted air of the park. Prescriptives

Outdoor Protective Cream has a

very high SPF of 17 and even the Nude lip gloss registers an

White is the colour to wear

to set off a tan. Reviou has carried this idea into cosmetics

with its newly launched White on White Collection. The

colours are all based on pastels

with frosted lipstick and crystal-

line nail enamels giving an even

paler sheen. The new powder cyeshadows include Softfrost

Beige and Sparkling Orchid, and a pale lipstick called Polished Oyster gives the sum-

Precisely because the fashion-

able face now has a warm glow

rather than a nut brown tan, the

make-up shades of the season

can be soft but clear, with a Mediterranean blue back in

style for eyes and coral pretty

mer face a different emphasis.

SPF of 12.

and the long-line lip polisher. Prescriptives have re-

destructive to the skin,"

esson's damage."

cardigan £51 Striped polo at Harrods, Knightsbridg SW1. White

and striped Bally. Striped earnings by Adrien Mann. sungasses 24 by Paul Smith cruising shirt £39.50. Mint

trousers 231.75 Tri-colour cotton sacks Paul Smith from Road, W1; 10 Byard Lane, Notttingham. Notttingham. Punched shoes £45.99 from elected Russe & Bromley branches.

Right HER: White drill sea blue and white lining, sizes 8-16 £79. Matching white

culottes, white only, £49. Blue cotton T-shirt £13.50, also white, pink, apricot. From Regent Street W1; Harrods; Cavendish House. HIM: Sea blue cotton hooded

parka, also pink white, beige, £79. Dusty pink poly/cotton trousers £34. cabled sweater £29, from London, Jacke from

London



room was to put the good British designers under one roof, and to include all their accessories - excepting shoes that demand particular fitting I welcome the idea that and stock arrangements. coordinates are now something average woman simply hasn't that you buy as a unit, rather got time to go round even the than put together yourself from four and half acres which our

store covers", says Pat Newell. This department is the start of endorsement, has been given to Harrods, feels strongly that a whole new philosophy for us the middle market of British modern life is too short to of lifestyle shopping. In the spend in picking and choosing autumn, we will extend it to evening and after six clothes.

identifies the area in which she wants to shop and can then find what she wants".

Co-ordinated sportswear is the fashion trend of this season and the name of Aquascutum's firstever summer range for both women and men. The interrelated separates in fresh colours and neat shapes are designed for our increasing share of leisure time, for holidays and for anyone whose style of dressing is casual but not sloppy. The blouson jacket

shape at Aquascutum, with a bigger and bolder version expanded into a parka for men, made in soft colours like sky blue and dusty pink. Fashion is definitely smarten-

ing itself up. There is a feeling now for crisp, simple clothes that have pushed out the jumble of layered and peasant separates that spelt summer fashion throughout the 1970s. A stiff Atlantic breeze blows through the summer coordinates, with a lot of navy blue, sailor stripes,

appropriately at half mast. Skirts are getting slimmer, although there are still gentle gathers for those who want movement and a softer line at the waist. Culotte skirts and shorts are the warm weather alternatives. Colours too are strong and

imple, with a lot of white, brightened with sea blue, red. navy and the occasional flash of yellow. Sailor stripes are the key print with bardly a flower in sight. By sticking to a simple colour scheme, based on white, you could go away on holiday with a very small range of coordinated clothes, for the point about casual separates is that they do split up into maximum value for money, as well as making trim outlits on their own.

If it is all so simple, why has British fashion taken so long to come up with this winning combination? Many traditional fashion houses still fight shy of "design", although it was good to see the design teams being introduced to the press at the recent fashion shows.

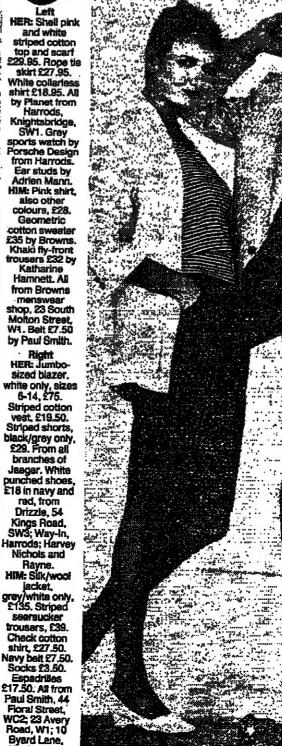
When I wrote three months ago about the lack of welldesigned British clothes in the middle price range, I had a big the smaller retailers that echoed my own feelings. There is now a strong sense that things are changing but I still find some of the tailoring – especially the stern blazers and hacking jackets – need a lighter touch. Colours can also be very predictable and the long, soft skirt now looks very "safe".

The manufacturers have responded not to the public, but to the alarming success of the German ranges like Escada and Laurel, which brought in the element of design lacking in similar British ranges. The success of Next has also beefed up other manufacturer/retailers. They have now realized that women will part with their money - even in a recession when they can get what they

MAKE UP by MARY GREENWELL at SESSIONS using ESTEE LAUDER Greek Island Colours

HAIR by PETER at DANIEL GALVIN

PHOTOGRAPHS by VICTOR YUAN





therall and Viyella Limited

collection from Jacque, who Editions, all set against a fresh

have always been aware of background that points up the

opened a shop in Bath, prettily that you buy as a unit, rather decorated by Nina Campbell, to than put together yourself from

underline their change of image. all ends of town. Pat Newell, the This summer, the final energetic fashion manager at

design. Last month Alexon's clean lines of the classics.

fashion by the opening of Harrod's Coordinates Room,

Visit the New FINE DRESS FABRICS now just around the corner CRAWFORD STREET, WI. oppi oppi oppi

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#### DIARY

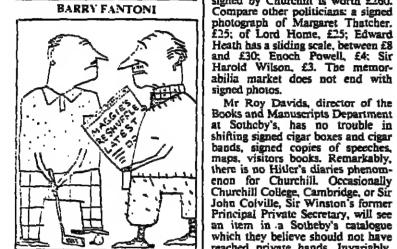
#### Song of the earth

Two impresarios are keen to bring to the West End the first eco-musical, Yanomamo, featuring David Attenborough, the conservation star. The World Wildlife Fund, which commissioned the work from two Lancastrian school teachers, has hopes for its premiere at London University on June 25. It chronicles the plight of an Indian tribe ("Yanomamo" means "people of the trees"), whose native rain forest is exloited by short-sighted govern-ments entrepreneurs. The WWF ("Woof-woof" to its friends) tells me the libretto, set to "Lloyd Webberite cod-Brazilian music", describes the hamburger connexion, whereby cattle are grazed on deforested land for the American and European markets, with evironmentally disastrous results. Provincial performances are scheduled in Blackburn on June 29 and Manchester on July 3, with the ubiquitous David Bellamy namating.

#### Cover point

Women in the BBC team covering the World Cup cricket series will not be able to work at Lords fixtures because of the old MCC rule that only men are allowed in the pavilion. The commentary and production position is only accessible through the hallowed halls of the pay, which means that none but chaps can reach the box. With rather strained patience Peter Baxter, in charge of radio coverage for the series, says the whole thing wouldn't be so silly if the place really were a masculine preserve, and points out that it is crawling with female secretaries and catering staff.

What, one wonders, would hap-pen if the BBC found it only had a woman producer available. No such problems yesterday at the England v Pakistan match, but the problem could yet arise.



Tough on Denis - he'd hoped to get fired

 Nigel Lawson, the new Chancelelso educated at Westminster, and his, in the quirky paters of the school, makes him an Old Wet.

#### Having a ball

It is customary at celebrations of the langevity of No Sex Please - We're Brilish, which have become almost routine during the past 13 years, to give presents to the producer, John Gale. Some of these are bizarre, like the set of Union Jack underpants which turned up one year, and others are more heart-warming, like the latest week's record-breaking icturns, presented in a frame each year by the director Allan Davis. At yesterday's binge, in observance of the comedy's 5,000th performance, Cale, who recalled that after the first right he was convinced that the play was a non-starter, said he remem hered with most affection the rugby hall presented to him three years ino, complete with signatures, by the First XV of the London Welsh, But then he is chairman of the club.

#### Prized memory

Lam delighted to see that the former Litty McKane, who won the Vimbledon singles title in 1924 and 1926, is still playing at the age of 86. She tells me she drives regularly from her East Sheen home to the scene of her triumphs, and practises on the courts of the All England Tennis Club. She compares, with prize money of today with her own modest rewards - a five-guinea coacher from Mappin and Webb. "wo of McKane's most outstanding inievements were the only Wimledon defeat of the legendary Helen Wills, and the taking of the mixed aubles title with her husband Leslie Gedfree. These days, she says, she confines herself to doubles, as she angles," I know the feeling.

#### Cryptic

In my item about the church that welcomes only adults to sit in its carden, I asked what had become of Mark 10.14. M. J. Walker of Dartford, Kent, suggests the answer lies in the lack of application of Erhesians 6.1. Point taken. Mr Walker, but how does that square with the first nine letters of Ephesians 6.4.?



No fewer than three of the artistic directors of the Aldeburgh Festival, which is now in full swing, are expecting children, and in each case

conception has occurred since the appointment. The fathers-to-be are Stenart Bedford, Murray Perable and Simon Rattle. The organizers tell me they hope this will make for a certain degree of artistic continuity in years to come. I consider the triple pregnancy to be farther evidence that music is the Peter Hennessy on the old warrior's undying appeal to the buying public



In commercial and literary terms, Sir Winston Churchill's "Finest

Hour" has lasted for 43 years.

Measured in books, tourism, paint-

ings, memorabilia and television

coverage, the spin-off from the old warrior's 1940 triumph shows no

sign of slowing down.
In April there was Ted Morgan's

Churchill, 1874-1915, (Cape £12.50).

Last week yet another overweight British actor did Winston im-

pressions on Channel 4's saccharine,

three-part series on Ike. Later this month we shall have William Manchester's The Last Lion (Michael Joseph £15.95), and the latest in Martin Gilbert's magnifi-

cent rolling biography, Finest How (Heinemann £15.95).

Historians labour lengthily and

mightly to fix a premier's position in

the league table of prime ministerial

greatness. There is a swifter, simpler,

more democratic yardstick - the value of a signature in a Sotheby's auction. Under the hardmer Chur-

chill triumphs again, by a knockout. In July 1981, the price for a signed 1917 letter was £2,100. It soared

because of the subject matter, that

great Churchillian obsession, the

Dardanelles. On the same day, a 1927 note on Treasury paper to T. E. Lawrence fetched £2,800 (though two star names were involved in

At the end of June 1982, a routine 1910 letter brought £140. A £1 note signed by Churchill is worth £260.

and £30; Enoch Powell, £4; Sir

Harold Wilson, £3. The memor-

abilia market does not end with

Mr Roy Davids, director of the Books and Manuscripts Department

at Sotheby's, has no trouble in

shifting signed cigar boxes and cigar

bands, signed copies of speeches,

enon for Churchill. Occasionally

Principal Private Secretary, will see

an item in a Sotheby's catalogue

which they believe should not have

reached private hands. Invariably,

Mr Davids says, the owner has

acquired it honourably, Sotheby's

withdraws and owner and college

perpetual boom? "Churchill shares

with Disraeli in that he operates on

two levels in our market. Not only

was he a great politician, but his papers are collected from a literary

come to some arrangement.

How does Mr Davids ex

signed photos.

A lasting monument: Churchill building for pleasure at Chartwell. 1928; above, his war bunker bedroom, soon to be open to the public, and Martin Gilbert, Churchill biographer with memorabilis

#### Churchill: still a force without equal

century figures, there are people who believe nobody equals him."

When it comes to Churchill paintings there are forgers about, but not many. Churchill's catalogue has 505 entries (one or two, may have slipped the net). Over the past 20 years Sotheby's has been offered about half a dozen fakes, always by unfortunates who had bought them in good faith. Churchill's output spanned 1915 to 1958, mainly impressionist landscapes. Americans adore them. The record, £48,000, was paid in March 1977 for a 1924 South of France landscape, Mimizan.

In November, Sotheby's will auction a Riviera picture, a seaside view from Maxine Elliot's villa. which should fetch between £7,000 and £9,000. Janet Green, head of the Modern British Art Department at Sotheby's, describes the Churchill market as: "Very good - it was a facet of his character. When he was depressed he just went and painted.

It took him into another world." She could not put a percentage on the Churchill factor.

Churchill pilgrimages remain an attraction 18 years after his death. Chartwell, his Kentish retreat, has 160,000 visitors a year. It belongs to the National Trust, so possibly half are "doing the NT rounds", while others come to examine the pictures, uniforms, medals and various artefacts like the hideous silver bowls, a gift from the equally hideous Stalin. The Churchill family seat. Blenheim Palace, in Oxford-shire, is on an altogether bigger scale with 5,000 visitors on a good day.

By early next year, a new and the epicentre of London's tourist trade, a stone's throw from Horse Guards Parade. Winston's war bunker, in officialese the Cabinet War Rooms, will be accessible from point of view. In terms of twentieth an entrance at the foot of the Clive

leader's bed and desk, the scrambler telephone to Washington, all will be just as they were left on V-J Day in August 1945.

The Property Services Agency is having difficulty boring through blast-proof concrete to create walkways. Glass screens will protect priceless items from pilfering hands and humidity. The cramped cabinet room, with place names and tiny Ministry of Works chairs, is fascinating but leaves a mystery. How did Churchill and Bevin, two of the biggest backsides in British political history, fit into them?

The most tasteful of the Churchill pilgrimages is to Bladon, the Oxfordshire churchyard where he is buried. Ten coachloads a day, or some 250,000 people a year from all over the world, make it. When he died, Bladon villagers met and agreed not to exploit the association. They have kept their word. Not a single tourist-trap shop, or cream tea emporium disfigures the village.

When is comes to books and journalism, Churchill himself was a one-man cottage industry before 1940. The enterprise is now huge and multinational thanks to that black genius among job creators, Adolf Hitler. But for the Führer, Churchill would have remained a non-precious, buildog version of Mr Roy Jenkins, a famous former Home Secretary and Chancellor of the Exchequer and homme de lettres of repute, but no more.

In 1983, Churchill's card index containing books by him and about him at the London Library has 127 entries and is far from inclusive. The second-hand market flourishes. Paul Haynes, of the Cinema Bookshop in Hay-on-Wye, the country's used books capital, has a high turnover of biographies and Churchill collectthe Second World War. First editions of the old boy's early works fetch a high price My African Journey (1908) at £55 and London to Ladysmith via Pretoria (1900) can command £75.

The current market has, if anything picked up since the Falklands war. Giles Gordon, of the rainands war. Gives Corton, of the literary agents Anthnony Shiel and Associates, says Churchill is always a safe bet: "But post-Falklands, left-wing books have absolutely ctased to find a market. Right-wing books are selling. If a biography of Churchill arrived on a publisher's desk at the same time as an equally good or better book on Attlee, the Churchill one would be published despite the glut".

Market economics as applied to
Churchill books contain an element

of injustice. Martin Gilbert, according to fellow historians breaks new ground with his biographical studies and supporting volumes of docu-ments, allowing others like Ted Morgan and William Manchester to cash in with popularized versions. (Mr Gilbert could not assist with this article last week as he was involved in a dispute with his publisher about which neither he nor Heinemann would make a statement.) Gilbert sells well, Heine-mann has printed 50,000 copies of Finest Hour.

But other superb contributions containing new material do not attract readers. In 18 months,

huis trut. Uhunk

Anthony Seldon's excellent Churchill's Indian. Summer (Hodder £14.95), a study of his 1951-55 administration, has sold only 1,800

It is easy to see why Churchill continues to dominate the literary and nostalgia businesses. He was a larger than-life many-sided character about whom there is always more to learn. A good judge of him was his wartime colleague, Clement Attlee, who, like an old retainer, would go up to Chequers for lunch with the old premier in his Indian summer. Churchili, said Attlee, was "rather like a layer cake. One layer was certainly seventeenth century. The eighteenth century in him is obvious. There was the nineteenth contury and a large slice, of course, of the twentieth contury, and another curious layer which may, possibly have been the twenty first.".

And those baffled by the deluge of

words on Churchill will find all they really need to know in a footnote at Taylor's English History, 1914-45. I sets out a bald list of the life and appointments of Winston Spencer Churchill, 1874-1965, and ends with five words: "The saviour of his

in the paper's history.

As the paper was halted less than two weeks away from a general election, allegations flew that it had

been stopped for "political" reasons. The point at issue - the differential

between the pressroom wages of the

two unions who work there - had been disputed for almost three years.

As each union struck a deal with the management, the other union's understanding unravelled. A tri-angular joint pressroom agree-

ment" proved clusive. The stoppage began with 24 NGA machine managers but was quickly followed

by two more serious developments: an NGA proof-readers' chapel (office branch) came out in support

and brought the Frankfurt edition to a halt and the NGA made the dispute official.

The most likely outcome remains

that - as on several previous occasions - management and unions

will reach an intricate compromise

which will provide a temporary peace. There is no visible optimism

that new lasting agreements can be

brought about.
Which will bring the thoughts of the workers of Bracken House back

to speculating about ways to break this impasse. The FT's chairman

and chief executive, Alan Hare,

takes a gradualist, consensus pos-ition: he urges leaders to help restore

publishing company profits before they are emasculated by yet tougher anti-union legislation. But Hare

retires next year and there is no sign

that the printing union chapels - as

distinct from their national leaders

and officers - feel any obligation to

do anything other than maximize

their earnings. The NGA machine

managers earn an average £304 a week and are claiming £322. The company has said that a stoppage of

The key element in any bypass

strategy on a paper such as the FT is

the editorial staff. If the manage-

ment can persuade its journalists to

a month would cost it £4m.

tempted to go along with it."

#### Roger Scruton

#### A victory for art at the polls

The two most potent postwar orthodoxies - socialist politics and modernist art - have at least one feature in common; they are both forms of snobbery, the anti-bourgoods snobbery of people convinced of their right to dictate to the common man in the name of the common man.

Fortunately the common man is. or aspires to be, a bourgeois. The last thing he wants is to be governed by egalitarians. After all, he has his life to lead, his children to raise, his identity to establish. Once he woke up to what was happening, the he rejected the pretensions of those who sought to make him equal to his neighbour. We may now look forward to a welcome period of bourgeois equilibrium. But the more important question remains: can our culture recover from the postwar fads as readily as our politics? Can natural bourgeois man regain the right to his own tastes, or will he be for ever put upon by modernist

The Royal Academy's summer exhibition is naturally crowded with derivative paintings. But they mostly derive from nothing more recent than Vuillard. A few abstracts elere out in ferocious primary colours: but their stares are not reciprocated. The favoured images are quiet, comforting and figurative: a tree in a field; two cups in a shaft of sonlight, a face by a window. Many are miniatures; some are confined in Baroque or Renaissance frames - a welcome recognition of the truth that painting is furniture. Most are wonderfully old-fashioned.

Most are wonderfully old-fashioned.
One in particular captures the attention: a large acrylic by Robert Lowe showing middle-aged people emerging from a classical doorway.
A sharp light punctures their features and seems to bake the wall behind them: they stagger under its impact and threat are to fall out of the sisters are to reflect and the second area. picture towards you. The faces are unmistakable: fathers and mothers, whose mediocre sorrow is also our mediocre suilt.

The painting is intensely disturb-ing: its very figurative intentions -carried out with the most meticulous technical perfection - seem to distance us from its subject. These parents are helpless and alien; and the most troubling thing is that the painting which creates them also threatens to pitch them into our

Lowe's painting is a metaphor of lost bearings. It also vividly illustrates the difficulties which now beset the figurative painter. In "the age of mechanical reproduction", we are told, the image does not bring us closer to its subject, but rather distances us still further from it. We are also told that Cubism destroyed the conventions of figurative art, and initiated an investible movement towards the abstract ideal. No

wonder, then, that you bourgeois as so unsettled by painters like Robe.

Actually none of that is true. I retrospect (at the Tate) the cubi-works have the quaint character a period pieces. They are lyrica poignant, good-humoured. Object seen through the distorting lense a Cubism remain warm and cheerfi: happy to dress up in their angul; disguises. There is no denial of the figurative here, but merely a abstraction from it. The enterprise very like that of Turner, who: abstracts are really the pecied-c surfaces of figurative designs. Ti beauty of the result is a beauty implication, whereby the profou dest thoughts are uttered in the lightest idiom.

What is popularly called abstra art is no such thing - and it certainly nothing like Cubist Instead of abstracting from the give image, the modernist constructs i image de novo, out of the abstra matter of shape and colour. Such a - which elevates garbled ideas ov intelligent vision - is an art skeletons, a fleshless remainder th can never be better than inoffensiv

The growth of the abstraindustry in fact initiated a disastro process of diseducation. It becar possible to believe that an art need have no figurative ski whatsoever. Schools began to aba don life drawing, anatomy, a history, in short to destroy discipli-in favour of a fantasy of fr expression. A new generation students emerged, exemplary their pristine incompetence, as with eyes as untrained to see t' world as their hands were unskillto depict it. It is not surprising th this new generation, in a despera attempt to recover its bearings, fli to photography (art's natural enen see the photorealists at Pisch Fine Art), or else announces incompetence as a new kind of sk
- as in the "New Image Painting
aliter "Bad Painting" visible at the Mariborough,

Once permitted, educational i competence becomes sovereig Natural bourgeois man cannot u his only weapon, the vote, in ord to destroy it. A nice illustration provided by the epicentre sculptural modernism, St Martir School of Art. There, the bradirector of sculpture. Tim Scott, h tried to introduce courses anatomy; he has required students to understand materials, represent the human form. discipline their eyes and hands. As result, the Council for Nation Academic Awards has decided th this course is too illiberal, to authoritarian, to be taught. tempora, o mores! The author is editor of The Salisbu-

#### Laurie Weston

#### How to get a headline start in politics

It is not true, as Fleet Street lore has the war. Attlee, with that it and the it, that the hard-boiled, cynical, dedicated reporter would sell his Churchill was impossible, by grandmother for a good story. But the flabby, disillusioned, clock-watching sub-editor would sell not only his grandmother but throw in his grandfather too for a good

There is accordingly great lamentation around the nation's sub-editorial tables and their ancillary saloon bars at Michael Foot's decision to resign the Labour Party leadership. Not only does his name lend itself to appallingly punny headlines in which subs take a perverse delight - "Right Foot, Left Foot?", "Foot in mouth", "Best Foot forward" - but, even more endearingly, it is a compact four

Four-letter politicians are a rare breed. When they appear they are to be cherished and protected, even against themselves. I have seen strong men weep and slink back to the Teesdale Mercury when asked to extract two coherent sentences from 50 minutes of Footiana, but we of the spike and type-chart can forgive anything of a man whose name fits comfortably in the poster type they use on The Sun's front page and still leave room on the same line for "slips" or "limps". "What about Benn?" I hear from

what about Benn? Thear from
the back of the hall. A good
question, sir, you prove my point.
Don't fall for the line that he
renounced his peerage just to stay
with his whippet-owning mates in
fiat hats and mufflers. What would really scupper him, he realized, was not just being a lord but being Lord Stansgate, a name that would bust a single column of modest 30 Century bold upper and lower.

"Why are you so rude about him then?" Sir, sub-editors are not responsible for the insensitive outpourings of people like Ronald Butt that appear below our headlines. We love Benn, Whatever our individual political leanings, we think either he or Foot would have made the best prime minister since

Now there's a man ill served by history; even more so by geography. He miscalculated in having a foreign adventure in a four-letter place that was even punchier than his name. Our advice would have been to go for Mersah Matruh. At least, though, he had the good sense to become a four-letter peer; unlike Disraeli, who sank without trace when he became Lord Beaconsfield instead of the 41/2-

letter Lord Tring. Heath had a lot going for him, but he too got it wrong. He reckmed he would wipe the carpet with the seven-letter Gormley, but when it bacame Government v NUM he

didn't have a chance.

Come to think of it, we have been lucky with our prime ministers since was even thinner than he looke Churchill was impossible, be Winnie was on a par with the accommodating Wilson; Mac we marvellous and Home was when the was a second to the way was a second to the way was a second to the way and the second to the way and the second to the way and the second to the our hearts were after we shot awa his opening barrel. Callaghan he been the only disaster. Someho Jim, even preceded by a Big c Sunny, didn't seem appropriate for the occupant of No 10.

We have mixed feelings abou Margaret Thatcher. Both surnam and christian name are more than columnful, so the length and depr of Fleet Street she is Maggie. Shu your eyes and picture a typics Maggie: the girl next door, perhaps a freckled, rucksacked hiker, a bi part actress constantly required to take her clothes off, someone foreve in scrapes to be cuddled, consoler and plied with beer. Maggies are no to be hounded from home and joi over a mere three and a half million.

Compare her with the unfortunate Christopher Brocklebank-Powler
After being ignored for years, he
became so desperate for public
attention that he committed political suicide. Even the headlines only

said "Tory MP joins SDP".

B-F should have been around when a sub could put up the heading: "Glorious victory for His Grace the Duke of Wellington and His Majesty's loyal Prussian allies; from village near Brussels; further intelligence awaited" and congratulate himself on a slick, snappy job Never again will Fleet Street tolerate Castlereagh or Shaftesbury.

In America, as we know from vintage Bogart, it's the reporter who writes the headline. Since American reporters are the world's worst, it follows that their headlines are trite and unimaginative. Confronted by a long name, they just resort to initials: FDR, JFK, LBJ.

When it became clear that Carter would not get a second term, American hackery was split on which Republican to support Reagan or the four-letter man whose name I have forgotten.

To get back to the Labour uccession: Shore is our favourite, with Heffer (the "ff" rating only 1.375 on the most sophisticated. computerized headline count) running him a close second. Anyone to the left and right of Kinnock has no hope. So, if you happen to be anaspiring Labour Party leader and your name is Kilroy-Silk, Hattersky ("Roy" has been preempted) or Campbell-Savours, change it. When the age of the common man coincides with that of media man, there is not as more for the there is just no room for the polysyllabic.

The author is Chief Features Subeditor of The Times.

#### The Times Portrait: Financial Times The storm before the hurricane?

of the dispute which has shut it down for almost a fortnight, one preoccupation dominates thoughts and conversations of the Financial Times staff: will their employers be the first to attempt to bypass the power of the print union chapels?

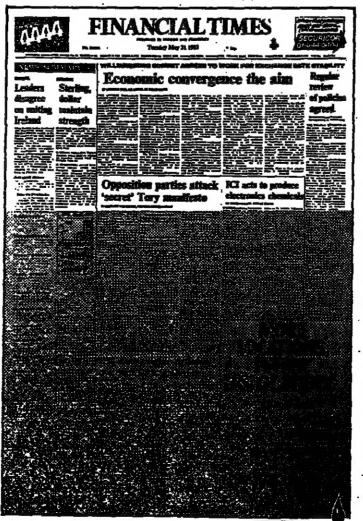
Should any newspaper finally lose patience with the sporadic and expensive guerrilla engagements that punctuate the publication of most London newspapers, a decision to traditional print union labour would unleash a spasm of bitter confrontation.

In private, few senior men at the top of the newspaper groups and the unions doubt that such a moment will eventually come. The fascination of the current dispute at the Founcial Times is that it is a newspaper unusually well-placed to spark off this new war.

The Financial Times prints a daily international edition of around 44.000 copies in Frankfurt, mostly sold in Europe but which are also available - thanks to Lufthansa scheduling - in New York by mid-morning. In this dispute, the Frankfurt edition was closed soon after the London shutdown. But will the paper try to restart at least that edition? Would it try to sell a non-union product in Britain in defiance of union-staffed distribution networks?

These and other options have been considered by the paper's executives. It is less clear how far the paper has mapped out a contingency strategy which looks beyond the use of such a controversial weapon. If the unions proved unable to stop the distribution of a "black" paper or if the National Graphical Association was eliminated from the company's workforce with the cooperation of its rival unions, the way would be opened for the ending of the printing of the newspaper at only one plant in Britain and the division of the printing to several satellite plants across the country with the pages transmitted to them by facsimile as the FT's pages are now despatched

to Frankfurt. The newspaper's recent success has raised the stakes. Once a small but influential paper with a reader-ship largely in the City, it has grown to a newspaper aiming strongly at the entire European marker. Its editor, Geoffrey Owen, defines his goals to his staff by reference to the



papers he most admires: The Wall Street Journal and La Monde. The newspaper's metamorphosis

of the past decade has not been so much of a move towards becoming a general newspaper (an already overcrowded market) as towards a paper as much for the provincial industrialists as for the city stockbroker. It had carried arts coverage since 1945, but during the 1970s made a steady investment in additional staff to broaden and deepen background analysis of industry in Britain and abroad. It must be one of the very newspapers published in Britain which is currently opening, and not closing. foreign bureaus. Two more open this



launched in January, has so far made little impact apart from minor adjustments to the FT's coverage of North American financial markets. Nor does it appear so far to have affected circulation or advertising revenue. The Journal, edited in Brussels and printed at a satellite plant in The Netherlands, sells around 17,000 copies a day, a quarter of them in Britain. The FI, meanwhile, continues to add to its circulation, which stood last month at 218,000; as the stoppage began,

risk being blacked for long periods if not the rest of their careers by production unions, it can at least contemplate a drastic move. As one FT journalist put it "The one thing you would need is a feeling that there really was a strategy - at the moment people here do not really feel that there is. But if that strategy for solving all these problems was there. I think that a lot of people here would be very

المكذا من الاحل

Herr

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#### **GRADATIONS OF HONOUR**

No one would begrudge Mr The Upper House is perhaps william Whitelaw the viscountry the greatest of that multimde of which is his reward for great loyalty and endurance under fire (often directed at him as intensely from his own side as the other, and more unfairly). No-one could grace more fittingly the scarlet robe with its diagnostic two-and-a-half doublings of ermine, the 14-point coronet with pearls set "in contact", and those recondite and punctilious debates in which never an unkind word is spoken. From that point of view, he can be counted on to be an ornament to the Upper House; in the longer view he may incongruously take on more of the semblance of a Trojan Horse or poisoned chalice. For in historical terms the new viscount is the best gift to the abolitionists of the Lords for

20 years.
It is easy to guess why Mrs Thatcher did it, or rather recommended it. Mr Whitelaw's services have been exceptional, and the Life Peerages Act 1958, makes no provision for gradations of honour. As Gilbert might have put it: "When everyone's a peer for life, then no-one's anybody." Nor should Mrs Thatcher's attachment to forms which have served the country well in the past be underestimated, or her readiness (not incompatible with a radical spirit) to breathe fresh life into them when they seem to be becoming moribund. The appointment certainly breathes life into the principle of hereditary reward for political service, but in doing so it points a threat at the Lords as a useful element in the constitutional process.

The Upper House is perhaps serviceable anomalies which are the distinctive glory of the British Constitution. Until two or three generations ago its utility was a simple matter. it spoke directly for a major and essential interest group in the body politic. That "constituency" no longer exists. Now it has the more modest but equally essential role of acting as a rein on the enthusiasms of the Commons, and helping out with the drudgery of preparing legislation. Its effectiveness in these tasks has been greatly improved by the introduction of life peers, who today take on the greater part of its work, expertly and

patiently.

The hereditary element has provided continuity through the change in function, and also a welcome scattering of unexpected members who would never find place in the lists of the great, the good and the elderly from whom life peers are selected. The products of patronage and genealogy, along with a rag-bag of legal and religious representatives, constitute a body so valuable and so odd that if it did not exist we would never be able to invent

The danger of abolition is a standing one, and a grave threat to truly representative govern-ment in this country. It is the hereditary factor that makes the Lords vulnerable to abolition, as many distinguished Conservatives have seen plainly over the vears. As a residual element, it is tolerable to most of us appropriate even though faintly risible, like the picturesque crenellations of an old building converted to new uses. But it is a weakness, and a source of political inhibition on the Upper House. Actively renewed, it becomes uncomfortably like bogus battlements insecurely tacked to the new Administra-tive Wing. To regard it as a valid basis for a politically active role would today be eccentric. It is sometimes asserted that the continuance in the Lords of a hereditary element is a bolster to the Monarchy, but two quite different functions are in question, and association with a dubious and controversial anomaly is more likely to weaken than strengthen an accepted and revered one.

Cases of special desert like Mr

Whitelaw's will arise again. If the honours system does not provide means of marking them without resort to hereditary honours, then a brief amendment to the 1958 Act would suffice to establish degrees of life honour life viscountcies, life earldoms (the concept of a life dukedom defeats the imagination). The same opportunity might be taken to relax the rule in the 1963 Act giving hereditary peers only a year to decide whether to give up their titles (only a month, if they are in the Commons). But these changes should only be seen as interim moves towards the object, affirmed in the Conservative manifesto and now so shortsightedly jeopardised, of ensur-ing "a secure and effective future" for the Lords. That is a historic Tory task: for in the long run, no other party is likely to attempt a constructive reform, and if reform is not achieved, the Lords are likely sooner or later to

#### THE QUESTION OF THE FLEET

impossible, to have devised a stiffer test for a new government's philosophy towards industry than to ask it to rule within days of taking office on whether or not to allow a takeover bid for P & O, one of Britain's oldest and proudest names in shipping. But it is also a most fitting test. When Trafalgar House, one of the most successful construction and ship-ping holding companies, which among many other things controls Cunard, the Ritz Hotel and the Troiloge and Colls construction group, offered to pay £360 million for P & O last month it was obvious from the beginning. that the proposed deal raised questions far beyond the ordinary realms of industrial logic

and efficiency. There is for example the nation's strategic interest to be taken into account. The two groups combined would control a significant proportion of what remains of the British merchant marine - a service which barely 12 months ago not only pro-vided more than 50 ships for the Falklands campaign, but indeed provided the resources and backup which made it possible for the task force to sail in the first place. The Royal Navy could not. have mounted the expedition on its own. And without the support of a viable and versatile merchant navy it could not attempt a similar expedition again.

It is a matter of regrettable fact that P & O's own contribution to the merchant fleet has been decimated in recent years. In the the industry has so many built-in

It would have been hard, if not late 1970s it ran more than 400 ships, but today can muster fewer than 100. So even if it were to merge with Cunard under the Trafalgar umbrella its strength would be much less than it was only four years ago. The issue then is not a simple

one of competition, for shipping Americans, the Greeks, the Eastern block countries as well as ourselves all competing for a shrinking volume of world trade, and proving none too fair about the means by which they ensure survival. But it is also a question of philosophy. How much importance do we place on the fleet; how much do we care if it flies under the British flag as opposed to one of the emergent nations; and how much should we favour British crews against those of other nations which are often substantially cheaper? In all these areas Trafalgar and P & O seem to be at odds, and it is important that what is decided reflects not just the short term pressures of the market place but also the longer term and broader strategic interest.

Equally pressing questions. arise in the other major area of overlap between the two groups their influence in construction. Here again the issue is not one of competition. Bovis on the P & O side and the various groupings within Trafalgar do not compete much in the UK market in terms of product. But the key to a successful construction company is management - partly because

pitfalls, partly because it has failed over the years to attract true professionals - and here they do compete. So the question which needs to be answered is if it is in the national interest to have a reduction of one in the number of successful firms we have operating in the potentially is a world market and the major. lucrative overseas markets. It is battles for business are fought on by no means proven that the two a world seale with the companies together would do better at tendering overseas than they have done as separate entities.

Neither, of these problems is a reason for the bid to be disallowed, but they do make it imperative that the proposed takeover be subject to a minute examination, where all the arguments are given a full and proper airing. In short the case needs to be examined by the Commission on Monopolies and Mergers.

This will of course mean a delay of six months or more in the bid battle, but that too may be no bad thing. It will give P & O time to prove its claim that its profits are on the mend and that it deserves a higher offer. It gives the Government time to formulate its thoughts on what kind of takeovers it wants, and which it hopes to discourage. And it gives the country as a whole a sign that though the Government is firmly and rightly committed to the market economy, it recognizes that part of its role may be to temper the operation of these forces when greater issues present themselves. It is, in short, a fitting

#### WHERE OTHER MINERS STIR

come overnight. Nor is it at all easy to discern the process, least of all the speed, by which it maycome. Bloodshed there already is, but there remains a defiant glimmer of hope that fullblooded revolution can be averted. One reason for that hope is the growing economic power of black South Africans. The black man as a consumer, with wages in real terms having risen quite fast in many sectors of the economy, has overtaken the white man. In mining the white/black wage differential (will appallingly wide, of course) has fallen from nineteen to one down to five to one in just over a decade. Black consumer boycotts against goods from factories seen as particularly exploitative have become potent weapons for improving workers' rights and conditions. Most important of all, black and Coloured (mixed ruce) labour is becoming better organized and more assertive.

It is arguable that Prime Minister P. W. Botha's Labour Relations Act (1981) permitting · both black and multi-racial trade unions to operate freely has been his only positive piece of reformist legislation. Since then, despite the harassment of many

Change in South Africa does not membership has risen very fast. At the beginning of the month the South African Chamber of Mines, to which all the major mining houses belong and which is responsible for around half South Africa's export earnings, for the first time signed an agreement recognising a truly independent black mineworkers' union. Today it takes its seat at industry, for instance, where the negotiations over wages.

This does not mean that black labour muscle can now paralyse or overthrow the state. Far from it. Nationwide, only about sevenper cent of black workers are in among Coloured workers is about a quarter. So far the new National Union of Mineworkers (NUM) has at most 25,000 members in an industry employing over half a million black workers. Crucial as mineworking is to national prosperity, the workers will remain vulnerable to dismissal or manipulation by employers and national authorities alike. By law, all but three migrant, forty per cent coming from neighbouring countries and the rest from the so-called homelands. They have no right to remain in "white areas" unless they behave well enough

unlikely to risk losing them by standing up for rights that could easily be construed as purely political.

All the same, the NUM breakthrough is most significant. Small though trade union membership may generally be, it is already strongly concentrated in certain areas - the motor workforce in most key plants is predominantly unionised. No-table features of the new NUM are the rapidity with which its size has swollen and the strength it already claims among the more skilled black workers who unions, though the proportion are hard to replace in a showdown. "Job reservation" in a formal sense, whereby certain iobs are officially restricted on grounds of colour, has already been abolished, but the unjust statute preventing blacks from acquiring "blasting certificates" needed by key categories of mineworkers is one that the NUM will rightly be determined to repeal. The white miners' union, however, is an important per cent of mineworkers are and very reactionary constituency for Mr Botha. After its initial cuphoria, the black NUM's work will prove hard and slow, but in the years hence it could play a big role in pressing the authorities towards labour leaders, trade union to hold down their jobs. They are peaceful reform. It deserves well.

#### LETTERS TO THE EDITOR

#### Electoral priorities for the new Parliament's agenda

From Mr Peter Foster

read like a bad joke.

juxtaposition to some cogent letters

on electoral reform and Bernard

Levin's feature on the insidious

long-term threat from the fascist left.

"... the decision," you said, "ulti-

mately rests on genuine and individual choice." For over a quarter of the electorate this will

But it is not just the manifest

unfairness of the present electoral

system that cries to Heaven. More

serious is the danger that a Labour Party controlled by red fascists could one day come to power on the strength of perhaps only a third of

the popular vote, with no effective

constitutional barriers to restrain its

the time of the Conservative victory of May 1979. But Mrs Thatcher and her colleagues have had other

priorities apparently more important to them than the long-term defence of democracy.

Will they make any better use of this next - and possibly last - chance to enact constitutional safeguards in

the shape of a reformed electoral system, a reformed second chamber and an entrenched bill of rights?

These are all more necessary than

Trident to the defence of freedom

and justice, and much cheaper.

From Mr Robert Seabrook, QC

Sir, Lord Harlech and others (June

declaim our "ludicrously inequitable and outdated voting system" as "neither fair nor rational". The disappointed Alliance are under-

too much consideration or analysis

of the effects which proportional

representation in Parliament could

have on the policies and compo-

but for our present voting system the country could have woken up to an

anti-Conservative coalition govern-

fair or equitable when a very

substantial majority of the electorate had rejected both the Alliance's and the Labour Party's manifestos? And would it not be far more outrageous

that the party with the support of 43 per cent of the electorate who voted Conservative should be excluded

from government altogether than that the 25 per cent of the electorate

who voted Alliance should have

Kenny Everett's lunatic contribution

to the nuclear debate, in the presence of Mrs Thatcher and

uncensored by party officials (report,

June 6) can but reinforce this

that if Britain was nuclear free, it is

unlikely that we would be a first

target in that initial period of

madness before somebody wakes up

to the fact that a mistake has been

made. With a bit of luck we may then only have the worldwide fallout

to contend with instead of being

obliterated within five minutes. Our

mutant children might then, who

we are not, as some of your recent

correspondents have suggested, talking about the end of our civilization if there is a full-scale

nuclear war; we are talking about the

end of most life forms on earth. The

catastrophe would be more akin to

need, and this irrespective of

judgments of the writers' quality: to

qualify, a writer need only obtain a stated proportion of income from

writing.
I declare an interest in favouring

Let us be clear in our minds that

knows, build a saner world.

beginning of the Dark Ages.

B. A. BLATCH, 2 Eton College Road, NW3.

Yours faithfully,

The advantage of unilateralism is

Parliament?

disproportionately few members of

Could it be said that this would be

On a proportional-representation

Yours faithfully,

PETER FOSTER,

Rew Cottage, Abinger Common, Nr Dorking, Surrey.

sition of government.

From Mr Christopher Price

Sir, As one who will not now be Sir, Your leading article of June 9 participating in Wednesday's elecation about "renewal" was in interesting participating in Wednesday's elec-tion of the Speaker in the House of Commons, could I make an anguished plea from the sidelines. The Speakership is probably the most important foundation stone of British democracy. It is an office which should never be in the gift of any prime minister to appease his or her former junior ministers or whips; its incumbent should be elected by the considered and collective decision of the House as a

He or she should be a Member of Parliament who patently loves the place, clearly understands its traditions and possesses the wit (in every sense of that word) to keep it in order and gain its respect. Above all, the Speaker must be above any suspicion of being beholden to the Prime Minister or any other party leader. This is especially important when the Government have such an

overwhelming majority.

It is not for me - an ex- Labour MP - to recommend any individual; but I do hope the "new boys" are not over-awed by their whips and consider the good of the House as a whole.

Yours faithfully, CHRISTOPHER PRICE, 30 Horniman Drive. Forest Hill, SE23.

From Lady Trumpington Sir, It was inevitable that we should hear howls of unfairness from the Alliance about our electoral system, since its future appears to depend on some form of proportional represen-

Nevertheless all the arguments are based on a fundamental misinter-pretation of the British constitution. This constitution, historically developed, means that power comes from above and consent from below.

During the recent election weeks we still had a government. Her Majesty's ministers were still at work and exercising power even though the House of Commons was dissolved. When the new House meets on June 15 it will resume its role of criticizing and monitoring the activities of the executive; but Mrs Thatcher and her colleagues do not have power as such conferred upon them by members of the House of Commons. They are exercising the inherent powers of the Crown since they control a majority in the Commons

Proportional representation is based on the fallacy that power comes from below and if it were introduced in whatever form it would distort the whole nature of our constitution. Comparisons with European nations who derive their democratic systems from a different

tradition are quite irrelevant. Members of the Alliance parties, instead of moaning about injustice, should work hard to gain more seats vithin the existing fules. If you los a game it's a feeble team which blests for the rules to be changed. Yours faithfully,

TRUMPINGTON, House of Lords, June 10.

#### Dual-key control

From Mr B. A. Blatch

Sir, The concept of dual-key control of American nuclear weapons in Britain is illogical if, as we are assured, these weapons will only be used in retaliation and not to strike

In the event of Russia launching its missiles there would be no time for consultation if America is to retaliate. There would barely be enough time for a short prayer ("Forgive them, for they know not what they do"?) before all nuclear bases in Britain, along with everything else in this green and fertile land, were destroyed. Therefore, if we allow American nuclear bases in this country as a deterrent, then we must trust the Americans to use their missiles in a retaliatory role

however, we accept the possibility of a pre-emptive strike by the West, then there is a very good reason for insisting on dual-key control. I fear that this is in fact the position, hence the continuing debate about consultation. Mr

#### Sharing out PLR From Miss Marghanita Laski

Sir, E. J. Craddock (feature, June 6) has fairly listed some of the difficulties in the way of applying for

authors' rights under the new PLR scheme: it is, none the less, a welcome beginning. But I think it a pity that, despite the tiny sum of money for distribution with which PLR starts; our writers' unions have apparently not put in a claim to administer some small share of it for the benefit of the profession as a

This the Swedish writers' union did from a beginning as tiny as ours, with the result that now, with their PLR itself substantially increased as ours must surely be, they are able to provide sustaining incomes for professional writers as well as pensions and occasional benefits at

#### Orchid protection

From Mrs Sue Mayes ... Sir. As the subject of the photograph on the back page of The Times of

June 4 I would appreciate the opportunity of explaining the very serious story behind the picture. As Administrative Officer of the Berkshire, Buckinghamshire and Oxfordshire Naturalists' Trust, part of my role is to awaken within our area the public awareness of the need to save and protect what little remains of our native wildlife. This three-county trust already manages 75 nature reserves, of which 38 are sites of special scientific interest.

One of several endangered plant species on our reserves is the Military orchid and, last year, two were dug up by persons unknown. This year the Nature Conservancy

such a move here, for this would free the Arts Council and the regional arts associations to concentrate their attention, so far as modern literature is concerned, on the encouragement, publication, and dissemination of work of the highest quality, instead of being expected (as at present they

must be) to be a major source of relief for creative writers of almost all levels of ability. Yours faithfully, MARGHANITA LASKI, Chairman, Advisory Panel on Literature. Arts Council of Great Britain, 105 Piccadilly, WI.

June 6.

aeain. Military orchids grow on only

Council and Royal Society for Nature Conservation arranged, thanks to grants from the NCC and the Esmee Fairbairn Trust, for funds to be available to county trusts with nature reserves on which some of the nine endangered orchid species grow, to provide wardens around the clock in order to ensure that such wanton destruction did not occur

four sites in Britain - three in our area, one in Suffolk - and have never been successfully transplanted: the theft of the two plants last year was therefore totally

In informing the media of our intention to provide wardens for our endangered orchid sites we were prepared to risk the future of one particular plant on a site which some

are they looking for a short cut to power which they could come to regret? If the Alliance win their battle to supplant Labour as the party of the left their chance will surely come.

Meanwhile, they may wish to ponder the probable consequences for themselves of the introduction of proportional representation; that there would never be an Alliance government free to implement Alliance policies; only the prospect of a coalition with or dependence upon the support of the Conservatives of Labour - or the Ulster Unionists.

Yours faithfully. ROBERT SEABROOK. Crown Office Row, Temple, EC4.

From Mr Kenneth Lindsay Sir, My friends on the Council of the Electoral Reform Committee made a credible forecast of the election result (June 9). Now the actual ratio of votes cast, 25 per cent for Liberals and the Alliance to seats won, less than four per cent, has received wide comment. I hope these startling figures will strengthen the conviction of those 42 Conservative MPs who, like me, are members of the above committee and also will persuade some of the newly elected abour MPs to join the committee.

I write as the only surviving person elected to Parliament (university franchise, 1945) by proportional representation. I call to mind some of my late colleagues.
Eleanor Rathbone, A.P.Herbert,
Arthur Salter, John Anderson
(latterly Lord Waverley, OM), who
fought this battle in the past. Yours faithfully,

KENNETH LINDSAY. The Athenaeum, Pall Mall, SW1.

From Mr J. N. Spencer

standably fanning the flames of this rhetoric which significantly avoids Sir, There are others to be added to the list of those unable to vote (Spectrum, June 9): those unable to apply for a postal vote because of the time factor, those in hospital and those omitted from the register system of voting every general election since that of 1935 would have resulted in coalition or minority governments. On the morning of June 10, Mrs Shirley Williams said on BBC Radio 4 that accidentally by the electoral registration officer.

I may be able to present

something of a record. My mother is in hospital, my son was accidentally omitted by the council, my neighbour's son was also omitted similarly and my neighbour on the other side is on the register twice. Another person in the village included twice has the name of Michael Foot. My daughter has been included three times, once here and twice in Cambridge.

After the election has been called

the only way to correct the register is by an application to the High Court. The remedy is discretionary and I was quoted a figure for costs in the region of £500. A simpler procedure. perhaps to the county court, is urgently required, together with an improvement in the whole system. Yours faithfully,

One wonders whether the Alliance J. N. SPENCER really want the manoeuvring, in-Field End, fighting and bribery which are the by-products of endless coalitions Rimpton. Yeovil, Somerset. and weak minority governments. Or

#### June 10.

Belgrano sinking

From Mr Alan Browniohn Sir, Professor Draper (June 4) quotes me too selectively. I did not write that the Belgrano was "no danger to the exclusion zone". I said: "Whatever it might do later. the Belgrano was no danger to the exclusion zone during the vital hours in which the peace agreement might have been reached."

The communication to the Argentine Government of the general warning of April 23 cited by Professor Draper does not affect the argument about the precise relation between military decisions and political negotiations on May 2. The war cabinet had time on that Sunday in which to consult Mr Francis Pym in Washington about the progress of his talks; though exactly how much time we shall not know until the accurate log of the course of the Conqueror is published.

We know that they had lengthy discussions. But they did not consult Mr Pym, as he himself made clear on Newsnight on BBC 2 on June 2. Mr Al Haig's original negotiations

had failed only hours before, on Friday, April 30. What was the war cabinet sending Mr Pym to Washington on May 1 for, if it was not to seek urgent means of averting all the horror and grief of a killing war, maintaining the closest touch with his hour-by-hour efforts?

The wider question remains unanswered. In a different, nuclear crisis, the government of an indefensible target country would need to be in the most constant communication with its emissaries in foreign capitals if the logic and inexorable momentum of war were not to take over. In the case of the events of May 2, 1982, the British Government, as represented by Mrs Thatcher and her war cabinet, was not in such communication.

Yours sincerely, ALAN BROWNJOHN, 2 Belsize Park, NW3.

gentlemen of the press have been

privileged to visit. The Conservation Officer and I agreed that it was worth the possible sacrifice for ever of that plant's future if the media would give us the opportunity of publicising section 15 of the Wildlife and Countryside Act. 1981, which gives protection to 62 endangered wild plants. To dig up. pick or in any way damage any of these 62 species is illegal and could

Yours faithfully. SUE MAYES, Administrative Officer, Berkshire, Buckinghamshire and Oxfordshire Naturalists' Trust, 3 Church Cowley Road, Rose Hill, Oxford.

plant

#### Breaking into locked churches

From the Reverend Bryan J. Marshall

Sir, I wonder if Miss Susan Wiggins (June 10) is aware of all the problems of vandalism in churches? speak as the incumbent of two ancient churches which have suf-fered three attacks of vandalism in the past 18 months. With the strong support of my parochial church councils, both churches remain open from dawn to dusk and it is a joy to report that they are much used for private prayer and meditation.

I receive frequent letters of thanks for making such a facility available, but what does one do in the face of such incidents as our most recent, two weeks ago?

All the ornaments are securely

locked away. All the doors are locked with special security locks, yet thieves gained access by slipping a catch during the day on the only openable small window in the church and returning after dark.

They used crowbars to destroy a small wall safe and prised out an iron chest which was fixed by expanding bolts into concrete in the floor of the church. Considerable damage was done to the floor, tiles and plasterwork of a very beautiful thirteenth-century priory church.

There is another dimension to vandalism of this kind, namely the distress caused to parishioners, local people and visitors, who cannot but be aware of the domage done, and the struggle between delire, conscience, practicality and the os-surance companies with which the custodians of such buildings con-

stantly grappie.

I support Miss Wiggins's pica wholeheartedly, but would continue who share her view to spore a thought for those of excelor tor-repair bills and insurance premiums of ever-increasing size.

Yours faithfully. BRYAN J. MARSHALL. The Vicaroca. Church Lane, Boxgrove, Chichester, Vest Sussex.

From Mrs J. C. Warde, Adam. Sir. Several years ago, our DOC took a conceious decision to leave our church unlocked. We left this it was more important for some tredeled person to feel the peace and solace that is to be found there than to worry 100 much about our few valuable possessions.

Although the vestry is kept locked, three families take turns each month to unlock and lock the church each day it believe our insurers insist on this). We also keep our Christian Stewardship posting box in the Church and it needs to be available for the stewards' contributions.

We have had stolen a small icon, a bress lion's head door knocker of great antiquity and quite irreplaceable (wrenched off the vestry door) and some Christian Stewardship envelopes (lished out of the box with a clothes hanger - the culprits were caught and are paying componsation). Semeone also urinated all over the visitors' book and the table on which it lay.

We don't have a gardener and our churchyard is not immaculate, but we mow and tidy it. And we are still open.

Yours faithfully, JANE C. WARDE-ALDAM. Church Ferm. Stoke-Lyne, Bicester. Oxfordshire.

#### A racing prespect

June 10.

From Mr John Mein Sir, The letter tham Miss Clayton (June 2) objecting to a new betting shop beside her secretarial college reminds me of the old lady who complained about a nuclist beach close to her house.

When it was pointed out that her windows overlooked neither the beach nor any sunbathers, she retorted angrily, "Cit, I can see them quite plainly - when I stand on a chair in the attle." My old friend, Miss Clayton,

seems to have clambered up on her office citair for a better view of her new neighbours. If, as she states, the average age of her students is 17. then they are too young to enter a betting sliop, although many will have attended Ascol. Errom and Aintree. Presumptly, then, Miss Clayton is concerned at the behavfour of the general public using the shop, but gamelers usually have money, not young girls, on their

Much greater temptation beckens her students in the form of expensive shors and restaurants. foreign embassies (with train shave diplomats), and the numerous public houses and wine bars that blossom in that area.

3 KE C

Yours faithfully, JOHN MEIN. Latimer House. Church Street, W4.

#### The night curling.

From Mrs Roseman Samsen Sir, Last night at about midnight, shortly before the storm broke, my husband and I, and a fraction who lives mear by, distrody heard the cuckets. The oul carrie toward times, apparently from a bit of a fifther. incur fines of up to £500 for each

I have never be the heard a cucked at might. Yes she bind distanced by the immending storm! If so, why did we not near charge? Yours faithfull: ROSEMARY SAMSON. The henets, Oaltham Road North, West inorsley.

16:13



he pleen, accompanied keep! Edinburgh, Queen he Queen Mother, The vales and The Duke of

The Officers of the Order were: visited Strewsbury and opened The the Bishop of Winchester (Prelate). Court and Parade (formerly Royal Chancellor), the Dean of Windsor (Register), Lieutenant-Colonel Sir Colin Cole (Garter Kifts of Arms).

Lieutenant-General Str. 3 Dates Lieutenant-Colonel Sir Simon House (Gentleman Usher Stephen Register).

#### Forthcoming

A marriage has been arranged between Peter Scrope, 13th/18th Royal Hussars (Queen Mary's Own), youngest son of the late Mr. H. and Lasdy Beatrice Scrope, and Penelope, youngest daughter of the Hon Edward Davies and Mrs.

#### Mr A. J. Arkwright and Miss A. E. Holman

The engagement is announced between Johnnie, son of Captain

V. W. Huntington, Taynault, Argylishire, and Philipps, eldest daughter of Mrs Bingham Hartley and Sir Archibald Edmonstone, Bt. Duntreath Castle, Blanefield, Glas-

Albans, Hertfordshire. Mr A. D. H. Hough

The remarker is announced between David, son of Mr and Mrs. D. A. Hough, of Ballabeg, Isle of Man, and Isabel, daughter of Mr and Mrs. A. M. Jaffe, of Llandudne, the land Mrs. A. M. Jaffe, of Llandudne, the landudne, the landu

#### MrT. M. D. Lake

The engagement is announced, between Timothy, younger son of Mr and Mrs J. D. N. Lake, of Wrentmall, Shropshire, and Natalie, eldest daughter of Commander and Mrs D. C. V. Isard, of Chedworth, Glonostershire.

#### Mr J. L. MacEwen and Miss J. Thatcher

The engagement is announced between James, youngest son of Mr I. L. MacEwen, of Yalding, Kent, and the late Mrs P. M. MacEwen, and Jane, younger daughter of Mr and Mrs J. V. Thatcher of Tring

#### Mr J. R. Metcalfe and Miss R. M. Jones

The engagement is announced between Julian, son of Mr Patrick Metcalfe, of Burwayn, East Sussex, and of the late Mrs Gilliam Metcalfe. and Rachel Mai, eldest daughter of Dr Peter and Dr Kathleen Jones of Sheffield.

#### London win Pachabo cun

control of the NAC Housing Association Ltd and National Agricultural Ceatre Rural Trust's Conference and later opened their Old People's Bungalows at Willow Court, Station Road, Hadnall, In

the Roman Catholic Ch which have uncovered

tory outcome, on this point.

no resistance on the Roman Carsonic side to making the

side. The Anglican chairman will be the Right Rev Mark

Santer, Suffragan Bishop of Kensington, who is a personal

King's College School,

and (CC.S) W Sented (CC.S) W an (CC.S) W Sented (CC.S) W an (CC.S) D P Turner (CC.S) and (CC.S) B S Senter (CC.S)

Rendeomb College,

The following scholarstons in the

Wimbledon

Cirencester

Shiplake College

Luncheons

respectively of the recent scholarship commissions, the following swards have been dealer

Sutton Valence School

Sutton Valence School has made the

Reception 

schitted council of the Royal Coverd
Seas, League held a reception at the
Festival Hall yesterday before the
final concert of the League's
competition for the Commonwealth
musician of the Year in the Covern
Elizabeth Hall. Among those
present were Commonwealth HighCommissioners, the Lord Chief,
itustic and Lady Lame, Mrs Robert
Runce. Sir Anthory and Lady

Dauntsey's School

The engagement is announced between lan, eldest son of Mr And Mrs E. V. Parsons of Harlow, Essex, and Lucy, second daughter of Mr and Mrs Berkeley Portman, of Lynchmere, West Surgex. Mr I. J. Purvis

the original wills announced between Migration son of Mr and between Migration son of Mr and part of Migration and Migration and Migration and Mrs K. R. Willy, and Mrs K. R. Will was and Mrs K. Will was and Mrs K. Will was and Mrs K. Will w

Mr P. M. Worthington and Mrs J. S. M. Gale

The engagement is announced between Philip, eldest son of the late Colonel L. J. Worthington, of Syainsley, near Leek, Staffowishine, and Judith, only daughter of Mr and Mrs H. P. R. Hamlin, of Prior Lea. Upper Packington Road, Ashby de la Zouch, Leicestershire.

Mr N. R. Craig Harvey and Lady Julia Percy The marriage took place on Saturday at the Church of St Mary Mr J. McConnell Santray at the Church of St Mary and Miss R Ethina Santray at the Church of St Mary and Miss R Ethina Santray at the Church of St Mary and Miss R Ethina Santray Santr

The marriage took place quietly in London on May 6 between Mr Misha Kravchenko and Miss Hanya

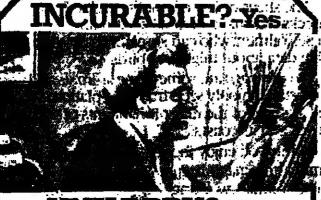
#### Birthdays today

Dr Sir James Black, 59; General Robert Bray, 75; Dame Florence Cayford, 86; Lord Glenconner, 84; Mr Burl Ives, 74; Sir Dermot MacDermot, 77; Air Marshal Sir Arthur McDonald, 80; Sir Bryan Matthews, 77; Lord Rootes, 66; Sir John Townley, 69; Mr Sam Wanamaker, 64; Mr Mike Yarwood, 42

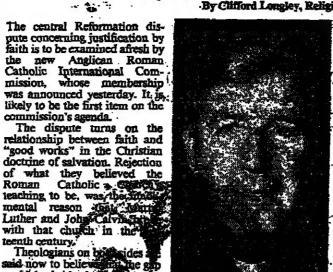
#### Latest wills Sir Adrian Boult leaves 2173,731

Sir Adrian Cedric Bont, CH. of Hampston, London, the conductor, and estate valued as £173,731—as. The left £2,500 to Manchester Callege, Oxford, and his most, busies on making recognizes and make recognizes. See Lotherwise. Other estates include: 14 Cubitt, Cappain, Alick John Aschi-bald, of Chetwolie, Bucks

\*71 701; \* 1910 7-52273,605



#### Wounds of the Reformation face new church commission



Robert Runcie, has been told that Evangelical confidence in the process of establishing unity with the Roman Catholic committed to church unity. Bishop Santer has been in-volved in Anglican theological. Church depends on a satisfac-It appears that there has been

The significance of Evangeli-Camonic side to making the cal attitudes to Roman Catholi-doctrine of justification a cism for the success of the priority for the new comb charge unity movement is also mission's work.

The commission will have of no less than four Evangelicals two chairmen, one fitting that of the Anglican total of 12 side. The Anglican chairman members of the new companies.

now being knowing ARCIC II, had only one, the liev Julian Charley, rector of St Peter's,

tiny staff, smaller than that of

in the geographical sense. There are two Africans on the Anglican side, an African and

The Roman Catholic mem-bers include Father Brendan working party which produced the celebrated Church and the Bomb report advocating unitat-

based on private discussions doctrine of the church Ecclesiology will also figure prominently in the subsequent

#### Whitehall brief

#### **Echoes of Lloyd George**



tiny staff, smaller than that of any other Western leader, to help ber.

The question was how to fill.

The discussion was how to fill.

The discussion was how to fill.

Cabinet Office the constitutional beliance. Lord

Hunt's thoughts were timely. Napoleon and remained a centre. Lord Hunt of Tanworth at the connecting door between Cabinet Office and No. 10,

Mrs Thatcher has been con-sidering how best to build what life:
she calls "an effective Prime Before the election, Mrs

Luncheous

HM Covernment
Mr C. S. R. Giffard, Deputy UnderSecretary of State for Foreign and
Commonwealth Affairs, was host at
a length presented by Carlifor of the
Ambassasist of Eccision and Senons
Gardins yestessing the honors of the
Ambassasist of Eccision and Medical
Commonwealth Parliamentary
Association
Sec. Peter of thills, and Medical
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were house of Commonwealth
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Mrs Thatcher of the Medical
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Mrs Thatcher of the Manual Medical
Sec. Peter of thills, and Medical
Sec. Peter of the election, Mrs Thatcher's garden suburb was already bigger than Lloyd
thinster of Commonwealth
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the consistency of Mrs Association
Mrs Thatcher's garden suburb was already bigger than Lloyd
the consistency of Mrs Commonwealth
the House of Common

Rungic, Sir Anthony, and Lady

Rungic, Sir Anthony, and Lady

Rungic, Sir Anthony, and Lady

Mr. Bank Former, Mr. and

Mrs. M. Dalal and Miss. Phylics.

Sellick.

Sit Gordon Smith

Vink Constanting of Greece (rep. Vacing Cont.), Mr. Source Hermann.

Vink Constanting Cont. Mr. Source Hermann.

Vink Constanting Cont. Mr. Source Hermann.

Vink Constanting Cont. Mr. Source Hermann. Mrs M. Dalal and Miss Phylips | WIGHRUTCH STA VILLE | School Value City and Lowester Dr. Sellick.

Sit Gorden Smith of Greece (127)

Sit Gorden Smith of Greece (127)

Sit Gorden Smith of Greece (127)

Final New William Rachie Growt Burr Vines Could be Sit Senter William Rachie Growt Burr Vines Could be Sit Senter William Rachie Growt Burr Vines Could be Senter of Smith Burr Sheet Could be Senter William Rachie Growt Burr Vines Could be Senter William Rachie Growt Burr Vines Could be Senter William Rachie Growt Burr Sheet Could be Senter Sheet Shee

Bonsi Law in 1922) the garden for better government if there suburts so called because it was a greater sense of purpose foreign stid. Commonwealth billeted in hits in St. James's and more consistency in minispecial decision taking; that with head of the Diplomatic Service. It consisted of Profession would involve an overt activities and Waldoor would involve an overt activities and of the Diplomatic Service. Surfaintenance of the Prime Minister accretary to the Minister decides to pass an inhouse freedom of information with was virtually a second successor. Sir Robert marked in Whitehall, the specific of Lloyd George will fift to Lloyd George being dubbed a he have bureancratic sazerainty through Downing Street.

Noming 10 as want? graditional

Service Dinner

#### **OBITUARY**

#### MISS NORMA SHEARER

was by then the most brilliant. Throughout her film care young producer in Hollywood, she proved herself to be and a mainstay of the M.G.M. organization, and Norma Shearer's film career was there undeniable beauty. She had a madeniable beauty.

Thalberg had good taste. He admired sophistication and Her career would have been maturity, and so. Norma very different had he only live

#### Shearer appeared in such filess forger.

Professor Kurt Tank, who bat in 1941 where it scor has died in Munich at the age of notable successes against to 85, was, as Technical Director British Spittire V. By 1943 to company, responsible for some of 440 mph but Tank carrie of Germany's most successful this design to even sweat

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PROFESSOR KURT TANK the Focke-Wulf aircraft Fw 190 D was achieving spec-

of Germany's most successful this design to even great and widely used sincraft designs, heights in later developments both served and charing the Bernel Y and Ta 152 (to One of his most remarkable the later of the Bernel Ta 152 (to One of his most remarkable the later of the Bernel Table Tabl prevented its being produced i quantities large enough t trouble seriously the Allie strategic air offensive.

Tank's plans for a jet fighte the Ta 183 are thought to hav fallen into Russian hands an provided the inspiration for th Mikoyan gean's MiG 15.

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Cas, Com and Chemical Workers' Union to the joined the Communist Party USA, and in Market Party

Pringle presided at a dinner held by several years of legal proceed—
Star.

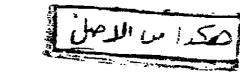
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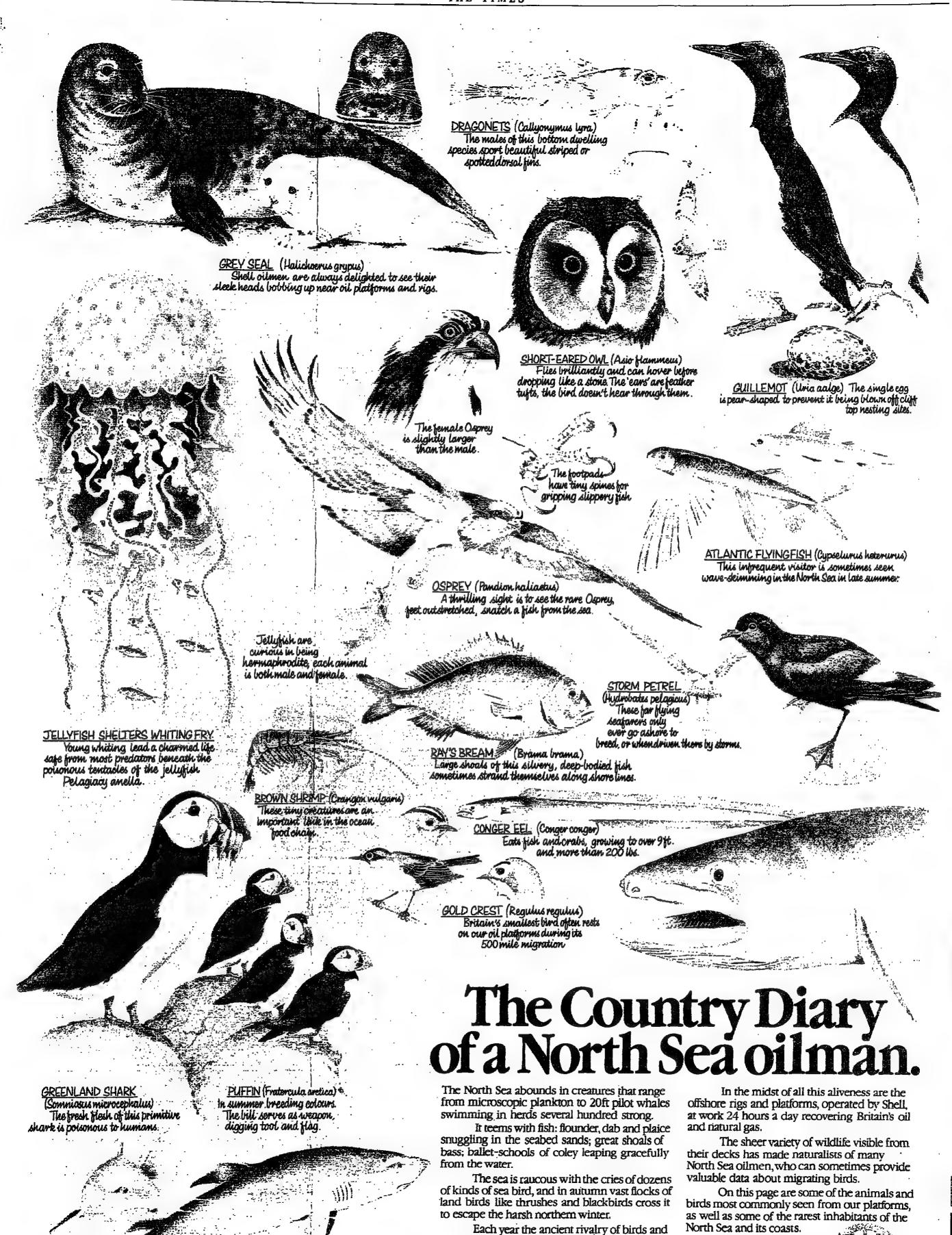
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Herr Clemens Holmeister, who died in Hallein, Austria, on General total Purise, The other Str. Peter Besschamp, died on June 12 at the see of 97, was the

Name 10 as 10 to ward additionally liked do ween Now the China and a like the country of the cou





fish erupts anew in fierce guerilla warfare.

to get at the tiny fishes.

MERMAIDS PURSE

The horned egg-case of a member of the ray or skate family.

Cod and whiting fry hide from predators beneath poisonous jellyfish, unharmed among

the deadly tentacles. But astute gulls know this

trick of old and flip the jellyfish onto their backs

While you enjoy them, ::

country's future energy needs.

You can be sure of Shell

remember the magnificent North Sea oilman, working

in mid-ocean to meet our

ter

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#### THE ARTS

#### Television Limited gaiety

Pinero's comedy The Gay Lord Quex, I understand, scandalized audiences when it was first performed in 1891 because of its insight into the marital and extra-marital behaviour of the apper classes. They no doubt knew about it all but thought it not quite the thing for the stage, particularly with the servants cossibly looking down from the gods. It seemed a trifle eccentric of BBC1 last night to revive it unless they have had a leak that t is to figure in an A-level paper next year or consider that the ford "gay" down on its luck mose days, might intrigue contemporary audiences.

This story of a manicurist's fight to prevent her best friend from falling into the marital bed of a much older, aristocrat roue, and her painful education into the waywardness of the male opecies in general, dragged nather for the first hour. There was a certain fascination in watching Hannah Gordon, as a designing duchess, looking as if she was going to break into a song-and-dance routine at any mement, but it was not until the second half that it livened up.

Anton Rodgers, the roue, having shaken himself tho-loughly during the interval perhaps, seemed determined to make a go of it and he did with vigour. Lily Gutteridge, as the manicurist, was splendid throughout, combining talent with the remarkable work-rate the part demanded of her. The enstumes were good, too, and there seemed ample time to

in Britain and the realization of riminals that it is the thing to apparently viewed by inter-national criminal organizations and heroin traders as a growing market.

Professor Arnold Trebach, of he American University in Washington, a special adviser to the U.S. Government, warned that his country had "turned a problem into a disaster" with its response to the drug problem and thought that the British decision to limit the prescription of heroin would lead to disuster here, too, forcing addicts into the clutches of

Addicts told how their habit changed them and turned them it was to acquire heroin by aying some in Harrogate. The infifriend of a murdered addict lied in front of her as, she lelieved, a warning to others, .ay Fitzwalter's programme, in the minatory tradition of it orld Action, rummed the possi-

Galleries A modern voice across four millennia

Cycladic Art/ Industry and Idleness/ **Sporting Life** 

British Museum

The Costume Court Victoria and Albert

Harold Cohen

In the art world, many occasions sound much more august than they actually are - especially if they take place in museums, where the general associ-ations are with high art and rarified scholarship. Not, of course, that a lightweight show necessarily precludes heavyweight scholarship being brought to bear on it, any more than a show of high seriousness need be lacking in immediate appeal. Like the art which conceals art, there is a scholarship conceals art, there is a scholarship which conceals scholarship, wearing its learning lightly and requiring of us only. that we enjoy and respond to the finished result. A number of shows like that have opened recently, and anyone who persists in being intimidated on entering the portals of the British Museum or the Victoria and Albert will be missing out on a lot of simple pleasure - simple even if the means of producing it are very complex.

The British Museum has at the moment three new exhibitions which would qualify. The most lofty is also in some ways the simplest to approach: Cycladic Art (until September 18) all comes from a private Greek collection, that of N. P. Goulandris, but has been arranged with the active encouragement of the Greek government and inevitably has about it a certain air of turning the other cheek after the cream arranged to the collection of the coll of course, never escapist but always urgent and frequently, as last night, discomfitting. The firem Barons dealt with the increasing availability of herois in Britain availability of herois in Britain availability of herois. If rom Barons dealt with the otherwise, is swept aside by the increasing availability of heroin in Britain and the realization of works themselves. Some two thousand ne in. A kilo of the stuff costs Parthenon, and light-years away in years carlier than the splendours of the 22,000 in Pakistan and sells for aesthetic effect, the sculptures which are the most famous and familiar part of Cycladic art speak to us with an asionishingly modern voice across four

> Or at least we think they do, which is certainly enough to be going on with. In fact, the Cycladic civilizations of these southerly Aegean islands were just emerging from the New Stone Age and remain, strictly speaking, prehistoric.
> These small, severely simplified figurines from tombs have been identified as gods and godesses, as substitute human sacrifices, as company and even sexual partners for the dead, as

millennia.

nursemaids or ecstatic dancers.

We just do not know, and we cannot know without a lot more systematic investigation - perhaps not even then. But for the modern layman their into criminals also. The pro-gramme demonstrated how easy will think at once of Medicines. sculpture the clongated standing figures (usually, in this show, female) with their almost featureless, masklike heads most closely resemble. He will also at times find himself thinking of Henry Moore, whose picture and words appropriately preface the exhibition. But it is not necessary to think ot.

Iwentieth-century parallels. There is some mysterious power in these little Dennis Hackett marble figures - most clearly in the simplest, but residing even in such



The powerful body-language of a Cycladic figurine

exceptional pieces as the small scated figure holding a cup. The body lan-guage (most of the figures have arms crossed, as though hugging their secrets to them) reinforces the unspoken drama, and one cannot leave the show without a haunting desire to know

For a bracing change of pace you could hardly do better than head from the new exhibition galleries at the front of the museum to the galleries of the Department of Prints and Drawings at the back. Here there are two separate shows, both of them almost defiantly English in their tone and subject-mat-ter. The smaller, Industry and Idleness: Hogarth and the Moral Print, celebrates the museum's acquisition of the last four known preparatory drawings for Hogarth's series of prints Industry and Idleness, published in 1747.

These new drawings bring the total in the collection up to 23 sheets, showing all stages from the first thoughts to the completed series of 12 prints in which Hogarth tells the highly moral tale of the two apprentices who start out equal and end with one being hanged at Tyburn and the other as Lord Mayor of Lundon. This is the first time all the material bas been exhibited logether, along with background material showing the rise and fall of the moral print in Britain and it is absorbing both for itself and as an insight mito the working methods of Hogarth, as his compositions evolve from the total fluidity of the first

sketches to the intricacy and packed: detail of the final prints, every rift loaded with one.

Next door, and also on mittle September 18, is Sporting Life, one of those splendidly unexpected exhi-bitions in which we are permitted to glimpse the tip of one of the museum's incomparable range of icebergs. Here it is the collection of British sporting prints. Apparently the collection has never been systematic, in the sense that sporting prints have been segregated by subject-matter from the great body of art. But through the years a vast number of works directly reflective of this specifically British madrian, have been assembled, for one reason or another. To make the show more than three conturies have been scomed for images of the Briton at play, though given the tranced seriousness with which he usually seems to play up and play the game, the term seems unguly frivoluse. frivolous.

Of course, "sporting a stely summons up images of horses racing or hunting, and there are quite a few such here. But sport is an enormous category, and there hardly seems to be a single section, of it which has not at some time been been depicted.
Salteoning prints after all, represent a
sport so do boxing and rowing prints scenes on the cricket pitch, the golf course or the croquet laws, ambery contests and the more or less excitable scenes in which people are shown making the most of a succession of

great frosts by skating or toboggaing.
Not to mention activishes in media to
overlook nowadays, shell as cock-lighting and bull baiting, and a gallimainfy
of odd minor sports like skittles,
rounders, velocipede riding (the rage of 1819) and sand-yachting of great frosts by skating or toboggining. Not to mention activities we prefer to overlook nowadays, such as cock-fight-ing and bull-baiting, and a gallimaufry of odd minor sports like skittles rounders, velocipede riding (the rage of 1819) and sand-yachting in 1791.

Naturally there is a lot to learn about social history, but the big surprise of the show is the liveliness and variety of it all as a series of experiences at least on the borderlines of lart. Also how recently printmakers have been interested in sport some of the most vivid pieces carry the tradition through to the 1930s or 1940s.

Meanwhile, at the Victoria and Albert the major scene of new activity has been the reopened Costume Court, has been the reopened Costume Court, closed for five years while the roof was reconstructed. But it is not only the structure which has been everhauled. The whole approach to exhibiting costume has been revolutionized. No doubt the first thing anyone familiar with the old form of the exhibition will notice is the new, low, conservation approved light-levels, which are now so low that sometimes one would be helped by a caption which told one the colour of the garment one is looking at. This means that clothes dependent on the brilliance of their colour or the the brilliance of their colour or the sparkle of their trimmings will go for relatively little, but on the other hand I suppose we have to accept the conflicting need to preserve.

Otherwise the whole thing is a triumph. Not only are the clothes of some four centuries stunning in themselves, but clearly an infinitude of care and taste has gone into getting details like the period stance of the articulated models correct, and the new displays, banishing the old tableaux in displays, banishing the old tableaux in favour of a clean, uncluttered look, certainly do their job well by focusing the attention entirely on the clothes. And, if you have always wanted to know exactly how a fartistigale, a crinoline or a busile was supported, here is your chance to find out.

Finally, the Late is also setting into a summery spirit with a talking-point show devoted to the computer drawings of Harold Cohen. Cohen is a British artist who made a certain name for himself in the 1950s, then moved to California in 1968 and became desply involved with computers. Now we can

involved with computers. Now we can see to what end: the room at the Tate is occupied until July 124 by a large coloured mural based on computer drawings, plus two computer operated machines which go on solemnly turning out a succession of related but differing drawings every bour of the day and night if required to do so.

The imagery is all carefully controlled according to linaits laid down by Cohen himself, and the only advantage of doing it mechanically seems to be the untiring prolificity of the computers; among many hundreds of drawings might be the one which perfectly embodies the inspiration of the original programmer. Interesting to watch, but difficult to see in terms of a breakthrough. Now af one of the machines took off on its own. producing masterpieces undreamed of, that might be exciting. But it does not happen outside a story by Stephen King. Does it?

John Russell Taylor



Opera

#### Wagnerian riches

Although credit must be shared Although credix must be shared a great many ways. San Alberich, more a vulgar slave-master than a cringing dwarf, half of which has just been introduced — will be primarily the triamph of the company's incoming general director, Terence McEwen. He determined before the took up his present post that he would as soon as possible, offer San Francisco a new summer festival Ring of the highest three Rhinemaidens sang from the bits mustic.

Walter Berry sang his first Alberich, more a vulgar slave-master than a cringing dwarf, and a fit opponent for Wotan. We had cight gianus instead of two, which made sense — easier to carry away the gold, a more awesome threat to the gold, as soon as possible, offer San Francisco a new summer festival Ring of the highest three Rhinemaidens sang from the pit.

Walter Berry sang his first Alberich, more a vulgar slave-master than a cringing dwarf, and a fit opponent for Wotan. We had cight gianus instead of two, which made sense — easier to carry away the gold, a more awesome threat to the gold, a more areas areas areas and a fit opponent for Wotan. We had cight gianus instead of two, which made sense — easier to carry away the gold, a more areas areas areas areas and a fit opponent for Wotan. We had cight gianus instead of two, which made sense — easier to carry away the gold, a more areas area

to Bayreuth, he engaged Edo de Waart, music director of the and silver, and a chorus or San Francisco Symphony. Als scurrying, grey, ratlike slaves though de Waart leaves soon to assume control of the Netheral directed by Nicholas lands Ghera he will return to Lehnhoff, prime interpreter of McEwen's post-modern conduct the new Slegired in 1984 and the whole Ring in 1985. De Waart obtained performances of wonderful accuracy, over-restrained for Das Rheingold but full-out and veleptuous for Die Walkure. His ocean-rolling strings and blasts of brass created a marvellous Wagnerian otherworld for the sods and humans on stage.

on stage.

McEwen has put together a combination of heroic-voiced veteratis and younger slogers busings with hesh power and promise. Wotan aged from Michael Devin in Das Rhein-citté de clarion-strong potent Michael Devin in Das Rheingita a clarion-strong, potent
youngedeity (if not yet a moving
astor); to the baggard and
resonant Thomas Stewart, severgi conturies older, in Die
Hellogie, Fricka transformed
from Henne Schwarz bustling,
brazen; and sharp - to Helga
Dergisca, who gave the most
specific and bistromically moving performance of all And we
finally got to hear the Califorrial-born, Jeanhine Atmeyer's Brunnhilde on home ground. who were also in the Chereau Bayreuth Ring.) Her girlish, almast awkward style suited well the role of warrior maid and loving daughter. Face, form and soice west equally handsome Only in the long Act III farewell did one sense a diminution of vocal and dramatic resources, which led it to

Walter Berry sang his first

After Georg Solti, his first-tures, plus an excellent Mime choice conductor, was tempted (David Gordon), eight reasonto Bayreuth, he engaged Edo de ably attractive Valkyries in blue All these nonhuman crea-Terry McEwen's post-modern Wagnerian vision.

1000111

Loge may have been Lehnhoff's one mistake. William Lewis sang and acted the role with dash and panache. But for some reason he was dressed as a nineteenth-century dandy (spats, pearl-grey waistcont. morning coat) among these timeless neoclassical beings; he settles into Wotan's throne to read the Wall Street Journal as the gods parade into Valhalla.

The designer, John Conklin, shares visual aspects of this triumph with Lehnhoff. Everything is lucent and clear, richly romantic-realist yet never fussy or sentimental. Emotional cues landscape, lighting, ruins and sky were taken from the painter Caspar David Friedrich: steep pics and geological cir-ques, stratified rocks and pet-rified trees, were lighted into a surrealistic intensity, then sugged dimmed into moonlight of dawn. Four romantic/classibora Jeannine Altmeyer's cel portals, growing out of rough rocks, flank the stage throughout. The gods' first home is a sort of Roman ruin. The new palace the giants build them is an authentic piece of imaginary architecture, a stripped-classical pile in three stages, inspired by the carly nineteenth-century work of Karl Friedrich Schinkel, on a steep, pyramidal Shangri-La base.

David Littlejohn

#### Dance

#### Proud night for the British

#### **Ballet Festival**

Malmo Theatre

A traveller arriving in Malmo for the first time may find the ample, elegant facade of the thestre unexpectedly mindiar. That frontage with its hate windows, those vast fovers, harpsed within, have their conterports all over Germany and at Lincoln Centre, New cont. So the bulding at first springs no surprises. Not, at any ute, until you learn that it was bash almost 40 years ago, thus being way ahead of the field for this modern style of theatre a, chitecture.

There are two further surprises to come once you enter the auditorium. One is the size of the stage: 22 metres across the proseculum opening, and stretching back to an amazing depth of 30 metres, it makes Covent Garden look cramped that the scatting (adjustable from 100 to 1500 by moving the audience into surprisingly intinate contact with that stage by as curved rows of seats on one really rising level. Ever since the theatre opened

:: 1044, ballet has shared its programmes with opera, opertta and plays, but this year is the first time they have ever grought together a group of different programmes on con-«Nutive nights as a miniature rollet festival and showcase for tie company. Elsa Marianne von Rosen

irst proposed the idea, and set Seame director of the Malmo Fallet three years ago. The "stival included the commany's main production from each of those years; one ballet with specifically Swedish style and material. Johannesnatten, and two classics from different traditions. Bournonville's Napoli and Petipa's Sleeping

This last is a particularly ambitious venture for a company with only 43 dancers. contingents from the opera chorus and from the theatre's Bournonville's dances for the bracelet, a belt and several

ensembles very ably, but Beauty 10 unid has a lot of demanding solo Auber). roles. To make matters worse, the two dancers who were to have taken the leads both

reported sick just before the festival. The temptation in those circumstances must be to look for guest stars as replacements, but instead the decision was made to gamble on the company's up-and-coming tal-

So it came about that the role of Aurora was shared arriong three young dancers, all of them. Royal Ballet School graduates, Kathryn Low, who danced Act l, is in her fourth year at Malmo and has played Aurora before, but Eva Nissen (Act II) and Katherine Olsen (Act III), both new to the role, graduated only last year. So did two other RBS alumni who were prominently featured. Francesca Lombardi (Princess Florisse) and Michelle Hocking (Violente Fairy and Floresian pas de trois).

It was a proud night for the British - the more so since the excellent production is by Mary Skeaping, who has succeeded in inculcating a fine sense of ceremoniousness in all the dancers and added many tiny details that enhance the drama. If I single out Katherine Olsen for her temperament and musicality, it is not that the others lacked those qualities, only that her dancing had the intangible excitement that suggests a potentially exceptional

Niels Simonsen, whose Florimund gave courteous support touching way. Herod wears to both the new Auroras, really military uniform. John the came into his own in the other ballets, as a comic devil in Johannesnatten and Gennaro in white neck-tabs, and the angels Vapolt. Von Rosen's pro-might have stepped straight duction of the latter looks even from a Christmas tree. Swedish trom different better on this big stage than in the earlier version which the earlier version which the cottepa's Sleeping Gothenburg Ballet brought to Sadler's Wells a few years back.
It also contains an unfamiliar

The Devil. at Herodias's. It also contains an unfamiliar addition, a pas de deux for instigation, sets the seven sins-Gennaro and Teresina in the to corrupt pure little Salome: last scene: it is taken from each offers a gift - a flower, a

bullet school bulk out the opera La-Muette de Portici (but ensembles very ably, but Beauty to unidentified music, not by

This is very early Bournonville choreography, created in 1830, and fits into Napoli more smoothly than the more usually interpolated duet from the later Flower Festival at Genzano. Simonsen's second solo, especially, was brilliantly done, and Katheyn Low, dancing her very spirited and promising first

Teresina, was also outstanding

in these dances. The other ballet given, Johannesnatten, is based on an extraordinary mixture of sources: the naif paintings at Dalarna, which represent biblical episodes in terms of eighteenth-century Sweden; a legend that on St John's Eve the devil could transform anyone he managed to throw into the wheel of a mysterious water-mill: and an identification of Salome's seven veils with the

seven deadly sins. Is sounds too complicated to work in dance terms, but when George Ge (then director of the Royal Swedish Ballet) conceived the work in 1948 he commissioned a libretto from the playwright Rune-Lindstrom (who got so carried away that he wrote it in verse) and a score from Gunnar de Frumerie, a composer of some distinction. Both did a first-rate job, and, although Ge's original Stockholm production had no lasting success, this new staging by von

quality. Clearly, however, she will not lack friendly rivals to

The peasant style of the Dalarna paintings helps her and the designer, Dan Nemteanu, to mix humour and sentiment in a Baptist (Knut Breder) is dressed in a black clerical suit with



Marissa Nino de Guzman: versatile Salome

scarves. Removing them in the course of her dance makes the plot misfire, since she ends up restored to her old self, sweet and innocent. Unfortunately she is too late to stop the executioner, but there is at least a half-happy ending all the same, with his soul going straight up to heaven (a cardboard dove hanging from a painted cloud) and she clinging to the foot of a cross in a shaft of bright light. Marissa Nino de Guzman, a oung dancer from Peru, plays

Salome. She is equally convincing in suggesting absolute purity and the most depraved lasciviousness, and can switch from one to the other in an instant. Everyone I met in Malmo (including a strong contingent of visitors down from Stockholm and some acrosss from Copenhagen) insisted on how Elsa Marianne von Rosen had transformed the company. She deflects a share of the credit to her ballet master. Donald Kirkpatrick Enough praise is due for both to bask in it. This is a company obviously full of spirit and working tremen-dously hard to achieve its potential, which on this show-

John Percival

#### Aldeburgh Festival

#### CBSO/Rattle

St Edmundsbury Cathedral/Radio 3

Ever since Coventry Cathedral in 1962 every performance of Britten's War Requiem is an occasion, if only because of the huge forces that must be assembled. On Sunday night, as part of the Aldeburgh Festival, its celebrations and its warnings were brought to the cathedral of Bury St Edmunds by the City of Birmingham Symphony Or-chestra and Chorus, the choris-tors of Norwich Cathedral and soloists under Simon Rattle. It was not the place and time alone that gave this performance its special resonance. Neither was it merely the acoustics that accounted for what was in every way a weightier, broader, still more detailed conception of the work than that presented by Mr Rattle not so long ago at the Festival Hall. Now there was space and time enough for each section to build and sustain its own force, and yet for the "Libera Me" to seem a mighty consummatum est, with the timelessness of the boys' chorus and the immediacy of the soloists powerfully fused.

Within the stand design, the boys' voices were sharp, direct and objective. The CBSO Chorus were sensitive to the taste of each line, spitting out the human curse of the Dies Irae against consistently fine brass playing, or busy with the fierce detail of Quam Olim Abrahae."

The pillars and -vaulting worked workers for the scattering of word and note in the Sanctus in telling preparation for John Shirley-Quirk's "After the Blast of Lightning". The entire work is, of course, deep inside his system, and it shows, each word weighted and placed with perfect consideration for its particular sound.

His steady, even half-tone at the work's turning point, where the enemy/friend offers the waters of forgiveness, was matched expressively, if not quite in minuze vocal control, by Arthony, Polfs, Johnson's by Anthony Rolfe Johnson's considered and individually appropriated interpretation of Owen's words. He brought to his solos a human substance and detail which. Jo Ann Pickens, winner of the 1981 Gold. Award (at Snape, was never mine who to find the first of the state of th never quite able to find.

#### London concert

#### RPO/Weller Festival Hall

summer Sunday afternoon is hardly the time to look for fresh hasights into the "Emperor" Concerno, but Andras Schiff had ideas of his own about it in his performance with the Royal Philharmonic Orchestra. These included a stronger contrast than usual between the piano's rhetorical flourishes at the ourset and the lyneal content of the opening movement, and it would clearly take more than the removal of a more behind the remova the removal of a crying baby from directly behind the orchestra in the middle of the slow movement to upset him, or Walter Weller's conducting.

Mr Weller and his soloist settled for an agreeable conversational approach in general with nothing-forced or over-stated but with a clean-fingered technique from the soloist and a flexible balance of instrumental texture. Maybe the Adagio was begun at a slower speed than most, although it picked up in mid-movement, but it was the finale that occasionally raised an eyebrow. Mr Schiff gave it a somewhat bumpy ride, with heavy-handed stress on accepted beats and dynamics of

his own, yet there was unde-niable exhibaration in the result.

The programme began with Schubert's so-called Rosamunde Overfure, where the elegant and cheerfully relaxed performance had a summer-season charm, and nothing to do with the theatre, but a great deal to do with the spirit of Schubert's related Overture "In the Italian Style". The orchestra's response was also to be admired in Tchaikovsky's Fourth Symphony after the interval. Here the conductor was less con-cerned with the dramatic associations Tchaikovsky as-cribed to it than with the richness of tone-painting on different levels of expression.

Not only were there echoes of Tatiana's feelings from Eugene Onegin but anticipations of the character dances and others in The Sleeping Beauty. I should have liked more graceful phrasing from the woodwind in the songlike second movement, a wider dynamic range from the strings in their ostinato" and a stronger feeling for the folksong character of the tunes in the finale. The brass had a rich tonal splendour but a less than precise ensemble.

Noël Goodwin

#### Bath Festival

Arditti Quartet Guildhall -

There were jugglers, mimes and Punch and Judy outside the Abbey, and even a band with attendant tap dancers at the station to welcome the King George V steam locomotive a festival atmosphere certainly pervaded Bath at the weekend And, if the Ardini Quarter's tough recital in the Guildhall was not exactly racy festival fare, that only testified to the uncompromising pursuit of artistic excellence which has marked Sir William Glock's outstanding period as festival

The Arditti's recitals have a quality of excitement which other quartets rarely capture. The challenge of an entirely postwar repertory - Elliott

director.

Carter's First Quartet of 1947, sounds, and a furious activity harmonics, and just as suddenly with which they ended, is the earliest work they play - and a constant battle with complex new works ensure that there is little relaxation in their musicmaking. On this occasion that tension was screwed up to breaking point by the British première of a quartet by Xenakis, Tetras, writtenspecially for them and first performed in Lisbon three days earlier. Planging into the heavy,

moaning glissandi familiar from his orchestral works trilled chords Xenakis here constructs, in a piercingly direct and quite accessible manner, blocks of noise which are assembled. knocked down and reassembled with great dramatic skill. In the first six minutes we hear high whining harmonics rattling attacks under the bridge or on the zailpieces of the instruments: masping, scratched

sized on by cello and then whipped up with incredible excitement in scuttering fiery passages for all the players. At about nine minutes in, there is a new climax with piled up quickly evaporates into high

There is a break (or was it music at the same moment?) and then a much shorter section rhythms, cross-accented, are tossed around and developed to a point of complexity. At 14 minutes the lines diverge, there is a sudden wisp of quiet

which suddenly converges on size chords and silences. Then there is a new sequence in imagine more new sounds and which Xenakis rediscovers the demand more from his instruamazed by Xenakis's ability to scale, at first ploddingly in- mentalists than one would have thought possible; perhaps there is something naive in the quality of the imagination, but it is brilliantly realized.

This new work rather put in ; cross-string writing that seems the shade the more amable about to explode but then sound-effects of Ligeti's Second Quartet, and wholly obliterated for me the awkwardnesses of Giles Swayne's Second Quartet just that everyone had to turn. But the perfect foil to Xenakis's over their huge placards of sonic flamboyance was the intellectual rigour of Carter's First Quartet in a splendid in which Stravinskian chugging performance in which only towards the end of this superbly assured concert did the players show any signs of tiring.

Nicholas Kenyon

المكذا من الاجل

Mining finance group heads queue for funds

Rio Tinto-Zinc to raise £198m

in third largest rights issue

#### Investment and P Finance

City Editor Anthony Hilton

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STOCK EXCHANGES

FT Index: 721.3 up 4.2 FT Gilts: 83.60 up 0.69 Bargains: 23,644 Tring Hall USM Index: 174

Tokyo: Nikkel Dow Janes index 8,598.65 up 36.21 Hongkong: Hang Seng index 886.52 (closed) New York: Dow Jones Industrial Average 1,204.83 up 8.72

**CURRENCIES** 

LONDON CLOSE Sterling \$1.5525, down 1.75 Index 85.4 down 1.5 DM 3.9625 FrF 11.9125, down 0.1750

Yen 376.50, down 4 Index 125.3, down 0.1

\$412, up 50 cents NEW YORK LATEST Gold \$413 Starting \$1.5520

INTEREST RATES

Domestic rates Base rates 10 : 3 month interbank 97 - 93/2 3 month dollar 97/16-99/16 3 month DM 51/2-51/6 3 month 1411/16-147/16 ECGD Fixed Rate Sterling Export Finance Scheme N Average reference rate for interest period May 4 to June 7, 1983 inclusive: 10.334 per

PRICE CHANGES

**Chloride** 24p + 3p **Sotheby** 585p + 62p J Brown 29p + 3p Kwik Fit 48p + 4p Borthwick 23p + 2p Elson & Robbins 41p - 4p Comb Tech 37.5p - 3.5p. Solicitors Law 30p - 2p Polly Peck £15 - £172 Grindlays Hidge 187p - 12p Hill Bristol 80p - 5p

TODAY

INTERIMS Cartion Communioations, Arthur Guinness and Sons, Hanson Trust, Ernest Jones (Jewellers), Kenning Motor Jorns, Hantons (GB), Premier consolidated Oil Fields, Tiddent Television FINALS: Altken "Hume Holdings, Associated Heat Services, Beechwood Group, British and American wood Group, British and American Holdings, Butterset, Chapman Industries, Churchbury", Estates, Countryside and, New Jown Properties, Dawson International Foods, Dawson International Holdings, Law Land, Thomas Locker Holdings, International Signal Cosp, Leigh Internation

#### Bid to wind up six Hunt firms

Petitions for the compulsory winding up of six companies formerly controlled by Mr Keith Hunt, the missing finaner, will be beard in the High Court in London today. . . Mr Philip Heslop, counsel for

the Trade Secretary, who has brought the petitions, told Mr Justice Harman yesterday that they were the first batch of petitions against companies controlled by Mr Hunt, an investment and commodities

Moves by representatives of investors to bring petitions against four other Hunt com-Futures Index change Securities International Exchange Securities Financial Services and Exchange Schuitties investment Managementwere adjourned until some time after June 27 in order for evidence to be presented.

London International Financial Futures Exchange (Liffe) had another record day's trading yesterday. The number of traded hit 8,427 compared with the previous record of 7,972. There were 2,679 gilts contracts traded and Eurodollar contracts were alsovery active, responding to the better-than-expected US money supply figures.

BANK BUY: The Royal Bank of Scotland will buy Scattle-First National Bank (Switzerland) Zurich from Scat tle-First National Bank, Providing the deal is approved by Zurich back will be renamed Williams & Glyn's Bank AG and will be developed locally

and internationally. CHINA CONTRACT: China has selected Simoncaryes of Stockport, to modernize the grain make and storage facili-ties at the ports of Danish and Tjanjim. Two contracts totalling about £14m cover design and supply of four Simporter twin-belt elevators, quiyade belt and chain conveyors weighing and other associated

WALL STREET

#### Dow dips early gain

and it looks like there like no summer dellames the year. He said that "everyone wants to

buy again".
Mr Robert Farrell market analyst at Merrill Lynch, said that any correction ahead, would probably not exceed 10 per cent to 12 per cent, because many of the big capitalization stocks that affect the Dow are already down 10 per cent or more.

"The risk in a correction may be greater in those speculative areas that are the most extended and amount to more than the moderate weakness indicated

for the major averages."

American Telephone & Telegraph was up \( \frac{1}{2} \) at 64 \( \frac{1}{2} \) General Electric up \( \frac{1}{2} \) at 54 \( \frac{1}{2} \) International Business Machines up at 1144; G. D. Searle down at 42 <sub>b</sub>. Coachmen Industries up at 52; and Federal National Mortgage unchanged at 251/2.
Union Pacific was trading at 54½ down ½ NCR at 121½ down 1½ Southern Pacific 72, down 1½ Commodorn Inter-national 55½ down 5;

#### Spending boom grows stronger

By Frances Williams, Economics Correspondent

The consumer spending boom which began last summer has gone from strength to strength with business in the shops last month running at record levels of retail sales in

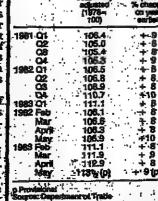
May was up 0.5 per cent on the month before and more than 6 per cent higher than 12 months earlier, according to provisional stimates by the Department of Trade released yestenlay.

Remains are hopeful that the . A big row broke out last night make that statement thing the mrand will nominate for most off before the Americans wanted in appeal had been guaranteed. An enamer of factors where the house our Someby Paris: Desuct. He added, We believe what ensouraged people to barrows encouraged people to barrows more and, according to the Retail Consortium which rep-resents the bulk of Barrain's main stores, a booming-black a statement by Mr Cogan and conomy, and increased spend. Mr Swid saying that if theying by tourists, especially from received chearance from the United States.

The worry remains to what Commission, and subject to

The worry remains to what extent higher consumer spending will suck in imports rather than benefit industry at home. Over the three months to May, retail sales rose by 1.5 per cent from the previous times months: but imports of con-sumer goods went 7 year cent higher in the latest three-month

RETAIL SALES



New York (AP Dow Jones)

After early facrosses, stocks fell in active trading. The Dow Jones Indiastrial average was up 10 points, but dropped back by points to 1,204.

The transportation average was reging to five over declines.

Mr Marvin Karl vice-press and that last Friday's money supply figures came is coming up in a comple of weeks and the portfolio adjust, ments then should have the trading.

The market is vice-piece to stock Exchange as soon as the outcome of the election was known has been forming since the beginning of the year.

The market is vice-piece the beginning of the sisue are one new share at 450p for every six held.

new share at 450p for every six

RTZ shares, which had fallen sharply on Friday on specalation that the company was about to bid for oil group. Tricentrol yesterday, rose 7p to 539p. It is unusual for a price to rise in response to such a heavy funding exercise and it did so partly because the group ac-companied the rights issue with

Rio Tinto-Zine, the British a denial that it has any intention of bidding for Tricentrol

Tricentrol

Sit. Alisable Frame chief executive, said the group was raising new mones to enable it to take advantage for growth opportunities in the executive and the group dustrial activities and the provide preparations. He said that boosted by higher metal prices, trading so far in 1983 had been better than last year.

Market commentators had regarded a signe issue from RTZ as a strong possibility over since CRA, the group's strong tely quoted. Australian, mining offshoot, bill a African rights.

tely-quoted Australian mining offshoot, had a Act tom rights

issue in April.

At the time RTZ took up some of its rehis, thereby preserving its stake in CRA at more than 30 per cent, despite an undertaking given to the Australian Recomment to reduce the authors as 49 per cent or less.

Bifurcated Eng Electro Protective Spirax Sarco ElS Group ... Myson Group McKechnie Bros GKN Meltins Leisure Time int William Collics Anvil Petroleum Powell Duffryn Lasmo Combined Technology Hunting Associate London United inv Edmond Höldings 5.2 Eastern Produce Standard Chartered

101.0

miagu. Figures do not include the Unisted Securities Market. Consolidation of the heavilyspending CRA as a subsidiary into RIZ's balance sheet has made the group overburdended with debi. But the rights issue

**Pilkington** 

divisions

to merge

Pilkington Brothers Britain's

sole producer of flat glass, which has been losing business

to rising imports; is to merge its flat and salety glass operations

in Britain.

The merger, under a new company, Pilkington Glass, brings the company's operations into the company's operations and reduc-

European operations and reduc-

es the present four divisions to

two: basic glass and processing operations. The Triplex brand

name is to be retained for

automotive and aircraft prod-

trading on July 1 and from the

beginning of next year its chairman will be Mr Derek

Cook, presently chairman of Pilkington's South African sub-

that the reorganization in

divisions artificial."

will reduce the expressed as a percentage of shareholders' finds from 52 per cent to 47 per

director, said that the desire to ary to the main purpose of the rights issue, the proceeds of which would mainly be earmarked for internal capital There are several

min Andrew Buxton, finance of review in the group. In

Britain these include modernization of the Ketton cement works from the wet to the dry process which is more energy

The group is also considering heavy spending in the North Sea where extension of the Argyll facilities into East and West Duncan and the Bunter gas field is being considered. Overseas projects which the company expect to spend money on include the Borax molybdenum deposit in Alaska

and a new copper mining A month-and-s-half Charter Consolidated raised about £51m by placing its remaining 4.3 per cent stake in RTZ at 562p a share. This helped to fuel market speculation that a big share issue, either by way of rights or an

acquisition, was immenent.
The group promises to raise
its dividend payments this year by at least 1p to 17p net. Two months ago. RTZ announced

The company's official state-

ment said: "no approach has

been made to John Brown by

any party with a view to an offer for its share capital."

However, given possible com-

petition between rivals for the

gas turbine division, such a possibility cannot be ruled out.

GEC did not comment last

#### John Brown admits talks over turbines

John Brown shares rose 3p to 29p yesterday on the company's admission that it is in talks with Hawker Siddeley about the future of its gas turbine

In a carefully worded statement, prompted by yesterday's report in *The Times*, John Brown said, inter alia, that it was in discussions with Hawker Siddeley, which may lead to an association in the business of John Brown Engineering," JBE

A John Brown spoke admitted last night that the term "association" was deliberately vague, and the company's formal statement said it was too early to make an announcement of the outcome of

night, and Hawker Siddeley said it had nothing to add to the statement issued by John these talks".

Britain would not lead to redundancies in a business that has already been badly hit by the downturn in the building and motor industries. Mr Antony Pilkington, chair-man of the group, said: "The performance. growing importance of added value products and the overlapping areas of processing in Obodowski, Deputy glazing and safety glass for the motor trade, has made the present demarcation among the

From Roger Boyes, Warsaw

Poland yesterday proposed a the entire debt to the West - put new long-term approach to its at \$25bn (£15.6bn) by Mr huge debt repayments to the Obodowski - could be resche-West and said that it needed further low-interest credits from eight-year grace period. the West to boost export erformance.

The plan; which is not likely end of June, Herr Fritz Leutwil-

-to take root until sanctions against Poland are removed. International settlements, said od by Mr Janusz Prime Minister in charge of economic planning. According to the proposal,

comment on the possibility that: GEC and at least one other company were interested in either the gas turbine division or a full bid for the company, though it is known this is the

is the gas turbine subsidiary.

Poles seek grace on debts

duled over 20 years with an

er, president of the Bank for in Basie yesterday. The gramme repay by June 30 a \$400m (£250m) tranche of a \$1.45bn central bank bridging credit.

#### City Comment

#### Loosening the tied brewers

The brewing industry is, in many respects, correct its argument that the tied system has been to the benefit of the customer, though providing a buffer in times of recession.

The fact that brewers profits have been increasing at a time when volume sales have been falling, however, does show that much of this profit comes from non-brewing activi-

The EEC in the next few weeks will decide whether the British brewer is to be allowed to continue to take advantage of the tied system, or whether suppliers to the pub and offlicence industry can have untapped access to a sector of the trade which they initially demonstrated could be profitable.

The brewers agree that landlords should be able to select the "special beers" they serve. Invest-ment in brewing now has to be massive and a return on that investment is reason-

The improvement in beer quality offered by the big brewers means that the customer no longer makes do with an indifferent product, and the activities of consumer organizations and the skilfully-run small brewing sector mean that he has a choice.

However, in non-brewing areas the wholesale trade should be able to supply the needs of the industry. It has shown in the past that it can.

It does meet diverse regional needs and it does represent a sector of commerce which meets the Government's philosophy on trade.

The merger of the De-partments of Trade and Industry has already been welcomed by the Institute of Directors as being pro free trade. The Federation of Wholesale Distributors in its opposition to a continuance of the tie, will also be aware of the move

The brewers should know that their argument that an abandonment of the tie would lead to a change in the character of time when there is distinct change in the character of British busi-

#### 'Operating profits advance to £19.5 million'

reports Frank Holland, Chairman of C. E. Heath



THE YEAR IN BRIE

■ Broking profit up 4% to £10.8m

■ Underwriting profit up 39% to £7.6m ■ Pre-tax profits up 15% to £19.5m

**■** Earnings per share up 9% to 36.7p

■ Dividend up 12.5% to 21.1p gross

Results for the year, achieved in conditions that remained difficult throughout, are a further record and can be looked on as an excellent result for the Group. We have increased our earnings per share to 36.7p and the directors recommend that the gross dividend for the year should be increased by 12.5% to 21.1p per share.

Income from insurance broking operations amounted to £26.8m, an increase of 10.2% and most divisions made progress throughout the year. The broking profit figure has been achieved after making a substantial increase in our reserves for bad and doubtful debts.

☐ Our underwriting operations in Australia and Bermuda have provided significantly increased profits. The contribution from our Lloyd's underwriting agency 1980 accounts also shows a substantial and welcome increase, but this is unlikely to be as great next year.

TEN YEAR GROWTH 1982/83 1973/74 Operating profits • £19.5m Profits available to Shareholders £1.5m Earnings per share 36.7p Gross dividend Capital employed £48.5m

☐ This is the last year in which I shall report to

Newton. It has been a decade of progress, as the

around £12 million to reach over £100 million.

March 1984, I shall be handing over the

shareholders as, on reaching normal retirement age in

Chairmanship after ten years to my colleague Derek

comparative table illustrates. During this time the

market capitalisation of the Company has gone from

Looking to the future. I can see no positive hardening in the insurers' position and competition. particularly in the US, is still cut-throat. However, shareholders can draw confidence from the knowledge that we have a loyal and dedicated staff with outstanding expertise who continue to look after shareholders' interests with considerable success.

Copies of the Report and Accounts for the year to 31 March 1983 can be obtained from

The Secretary, C. E. Heath Public Limited Company, Cuthbert Heath House, 150 Minories, London EC3N INR. -



Public Limited Company

INTERNATIONAL INSURANCE BROKERS, REINSURANCE BROKERS AND UNDERWRITING AGENTS

#### Move to refinance Tring By Our Financial Staff Mr Robin Eve, the new chief bid from Haverford Securities, securive of Commercial Desaid the deal would involve an

520pra share bid, Knoll was Sothe by's share purchases

over-borrowed.

"If they were overstretched at reckoned to influence 10 per that level, they must be at 630p. cent of the Sother by's shares. We feel Mr Cogan and Mr Swid admirs to owning 600,000 or 5

Swid (left) and Cogan: Would increase offer by 110p a share

Sotheby's bidders in

false market' row

leading and probably caused false market in the shares."

A Knoll offer at 630p a share

Morgan Grenfell, Knoll's advisers, confirmed that its new

would value Somerby's at

£73m, around £12m more than

statement had not gone to the talcover panel before it was released. During any takeovers most bankers clear price sensi-

tive statements with the panel

first.

Mr Philip Evans of Morgan
Grenfell said: "The other side is
clutching at straws. We were
asked by the panel to explain
what was behind that paragraph, We did, and they are

perfectly happy. We have not been asked to issue any

The panel was unavailable for comment last night.

ciarifying statements."

it originally offered.

xecutive of Commercial Development Finance Corporation, the Luxembourg-based. company which owns Tring. Hall, the USM issuing house, last hight disclosed that he was negotiating a sossible flm refinancing deal.

Mr Eve, who is urging shareholders to reject a takeover

financing arrangements which

Sotheby's at 630p a share.
Sotheby's shares jumped

100p on the statement before

closing 67p up at 590p.
Mr Marcus Agius of Lazards
said that one of the main planks

of Sotheby's defence was that at

should not have been allowed to percent.

nake a further offer

option to buy new shares Me Eve declined to disclos at this stage whom he had been talking to. His company would be provided with a £1m line of credit and would use this to repay bank borrowines. Mr Eve expected confir-

BIS gives hope and sounds a warning

#### US policy 'threatens recovery' By Peter Wilson-Smith, Banking Corresponden

The Bank for International it says is not to blaine for high remains fragile. Apart from the Settlements has strongly at interest rates. But the budget tacked. United States fiscal deficit should be cut, preferably policy, blaming the big US by spending cuts but if necess-deficit for holding up interest ary with tax increases. rates and threatening the world

But in a much more optimistic assessment of the world revival through expansion of economy than a year ago, the their domestic economies. It central bankers' bank says in its says 'Bat' these touthiries have ning in Stuttgart on Friday says annual report that prospects are controlled inflation and are free that the community's emerg

at least beginning to brighten.
There is greater hope than at

ary with tax increases. The BIS also calls on the US.

Japan, West Germany and Britain to lead the economic from balance of payments restraints.

part in the partition

need for recovery in the West to bring relief to debtor countries, the BIS believes it is necessary to improve the system, with much greater resources for the Intenational Monetary Fund and the World Bank A report to the summit

meeting of EEC leaders beginence from recession is gathering pace but warns that high US

any time since the first oil shock that the present recovery can be murified into lasting, nou-in-flationary expansion.

However, it says that high real inferest rates in the US could choke off the recovery Basle-based bask remains cauthous about his real inferest rates in the US could choke off the recovery Basle-based bask remains cauthous about his recovery which has begin, there and in West Germany and Britain.

West Germany and Britain.

Fruin evity conceivable whether it will be straigly enough angle, the most important and to improve the control and the recovery in the recovery and britain and to improve the control and the recovery the most important and to improve the control and the recovery in the recovery and britain and to improve the control and the recovery in the recovery and britain and to improve the control and the recovery in the recovery and britain and to improve the control and the recovery in the recovery and britain and the recovery in the recovery in

INVESTORS' NOTEBOOK • edited by Sandy McLachlan

sec. 69.

#### COMPANY NEWS IN BRIEF

Careless Capel and Leonard Year to 31.3.83. Pretax profit, £2.74m (£1.79m). Stated earnings, 4.5p (3.7p). Turnover, £81.83m (£74.84m). Net dividend, 2.75p(2.75p).

Sheffield Brick Group Year to 31.12.82. Pretax loss. £518,000 (£163,000 icss). Turnover, £5.28m (£4.81m). Net dividend, nil (0.75p).

Western Motor Holdings Year to 31,12.82 Pretax loss, £396,000 (£487,000 Stated earnings, (loss) 18.86p(loss Turnover, £35,66m (£35,29m),

Scottisti Nutional Trust Half-year to 31.3.83. Pretax revenue, £1.76m(£1.71m). Stated earnings, 1.79p(1.73p). Net interim dividend, 1.2p(1.15p).

Net dividend, nil (nil).

Camford Engineering Half-year to 31.3.83 Pretax profit, £201,000 (£639,000 loss) Turnover, £19.85m (£19.47m) Not interim dividend, nil (nil)

**London Private Health Group** Year to 32.3.83. Pretax profit £9,300 (£41,500). Stated earnings, (fully diluted 0.2p(1.5p). Turnover £4 18m /£664 400 Turnover, £1.16m (£664,000m).

(company's shares are traded or the over-the-counter market) Year to 31,12.82 Pretax profit, £1.05m(£929,000). Stated earnings, 6.0p(9.5p). Turnover, £14.92m (£12.19m), Net dividend, 4.0p (4.0p).

Property Holding & Investmen Year to \$1.3.83. Pretax revenue, 25.05m (£3.42m). Net dividend. 4.0p(3.5p).

Stewart Naim has reacted agreement with Gulf Petroleum Products Co. (GPPC), subject to shareholders' approval, to acquire 40 per cent of the beneficial interest in the freehold of property at 9-15 Sackville Street, London W1, for £4.4m, to be satisfied b the issue of 3m mew ordinary

John Mowlem's directors told yesterday's annual meeting that because there had not been disclosed with the annual report and accounts a contract that they had considered immaterial meeting would have to be

The contract involved a sum of 2500,000, but, despite its insignificance, technical provisions in the companies act required it to be disclosed.

An amendment to the report and accounts and an explanatory letter will be sent to shareholders and formal consideration of the report and accounts will take place at the

BA helps Saatchi to high flying success

METAL BOX SHARE PRICE

JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY

Sounchi & Spetichi Haif-year to 31.3.83 Pretax profit £4.83m (£2.4m) Stated earnings 10.42p (8.62p adj) Turnover £268m (£76m) Net interim dividend 2.82p (2.33p) adj) Share price 520p, up 10p

In the middle of the worst recession since the war, the advertising agencies ought to be feeling the squeeze more than most - just as they did in the early 1970s.

Instead, their results are going from strength to strength. And the growth is right across the board and not a case of the the big league has its price - big well-known quoted agencies gaining BA lost Saatchi British poaching accounts from the Caledonian and KLM. poaching accounts from the smaller less well-known ones. Industry seems to have

earned the lesson of the early 1970s: it found then that cutting advertising budgets meant lospackaged goods.

The result is reflected both by

£10m for the versily achievable.

the revenue of the independent television companies - just look Finlay at Central's first set of figures and the fact that the advertising industry's revenues have been growing faster than the rate of

Within this picture, Saatchi & Saatchi has carved a special niche if only because of its high profits as the Conservative Party's agency. It will not say revenue this account brings in, if indeed a bill is submitted at all.

profits reported yesterday reflects the acquisition Compton Communications a

year ago. Since then Saatchi has pushed margins from 1.8 per cent to 1.6 per cent, a considerable achievement.

There has also been considerable organic growth. Accounts such as British Airways, said to be worth £25m a year, will make a substantial contribution over the next - who knows? -10 years. The previous agency held the account for 36 years. But don't forget that success in

Saatchi is now the eighth biggest advertising agency in the world. There are still some geographic gaps, especially on United States West Coast, ing market shares. The attitude so expect one of two small to advertising is the same acquisitions. Second-half profits whether the company is a growth will not be as spectacu-manufacturer or a seller of lar as the first, but more than lar as the first, but more than £10m for the whole year is

Year to 31/12/1982 Pretax profits £14,34 (£10.95) Stated earnings 12.8p (14.1p) Turnover £122.9 (£99,159) Net final dividend 2.9p (2.5p) Share price 120p +1p Dividend payable 27/7/83

James Finlay, a stalwart from the days of great British companies with vast overseas empires, has proved more

essful than many in handling the transformation when it lost its empire and had to search

Today the group is spread across five major areas: banking finance and intenstional confirming; confectionery and beverage manufacturing trad-ing manufacturing and merchanting; energy-related interests and the plantations.

And today the bulk of its profits, £8.5m out of a total pretax of £15m, come from the United Kingdom, Of the rest £3.6m from Africa and £2.9m from Asia are the most signifi-

why the group had probleems. Banking had a troubled year and turned in a £362,000 loss, The new and more stable

#### Metal Box said its improved

210

200

RELATIVE TO FT/A

worlds of North America and

Ironically, it is the plantation

business which has proved the major force behind what is at

first sight a commendable surge

in profits. It has provided £5.2m against just £2.0m, in

1981 accounts for all of the rise

from £13.1m to £15.0m at the

But a combination of extra-

It is easy to see where and

ordinary items and increased

tex absorbs most of this

group pretax level.

improvement

Australia are far smaller.

**Metal Box** 

profit and borrowing position is only a first step towards recovery and improved profitability and there is no certain evidence of a major improvement in the company's markets. The group was commenting on its results for the year to

March 31 in which it made pretax tax profits of £52.5m up from £40.2m on sales of £1.39bn compared with £1.2bn. Metal box shares rose to

222p on the announcement of results before settling back to 218p, a net gain of 16p from Friday's close.

Metal box said extraordinary items, reflecting the cost of redundancies and reorganizations, again substantially eroded attributable profits for the year,

largely reflecting the twin problems of lower trade and gher interest rates. Manufacturing slipped a little, though any avoidance of loss, given the United Kingdom's trading conditions, must be scored as an achievement.

And the energy interests, a most

astute diversification, powered upwards for a £1.6m gain not whether it has the mans ment skill to run what it has, but hether it can find the opportunities to continue re-position-ing itself for the 1980s. So far it seems to have more ideas and potential than is recognized in

#### US finance

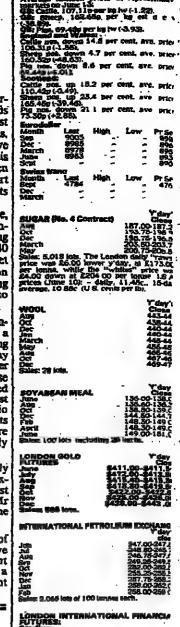
With US Government, corporate and union pension funds almost controlling \$1,000bn in retirement assets. the force of their collective attitude toward investments is formidable, and it can often provide the mainstay of support for a bull market once it gets

As recently as last June. according to one survey, pension funds were favouring stocks over bonds by a 50-40 margin. But as the bull market developed last year, pension fund managers began putting even more of their assets into stocks.

The consensus among pension fund clients is that this is a bull market. They are adding that if there is a correction, stay with equities. Like most other pension plan sponsors these days. CBS remains convinced that stocks offer the most promise for the largest portfolio gains, Last September, its annual contribution of more than \$20m went almost entirely

into equities. "Our clients have been fairly aggressive in increasing ex-posure to stocks over the last five or six months", said Mr Stephen Canter, president of the Chase Investors Management,

This trend is good news., of course, for investors who have been specially jittery in recent weeks over the possibility of a jump in interest rates that might depress the market.



COMMODITIES

Average District Prices at representation June 136 Districts on June 136 Districts on June 137 Districts on 152,650, per lag est d

#### **Exco and Telerate show** big increase in profits

have climbed Significantly in the first four months of this year, Mr Hilton Clarke, chairmost of the positive results man, told shareholders at the coming from the new Tokyo annual meeting yesterday.

He said that Telerate, the information system in which Exco owns 49 per cent, showed a 68 per cent rise in after-tax profits for the six months to the end of March. This rise is likely to be reneated in the second half of the year if new installations continue to grow at the same rate as the first six months of

Dealing with other activities, Mr Clarke said that the group's the deal has been delayed.

the year.

Profits of Exco International money-broking activities are climbed Significantly in showed a small increase over the previous year's figures, with joint venture. He said that profits from bullion markets

> A new bullion was opened in New York last month, "We are very pleased with the results," It is understood that three of

have been running well shead of

Garmore's founder directors are opposed to the terms and that an Exco shareholder's letter convening a meeting to approve

#### Huge loan for **EEC** projects

Luxembourg (AP-Dow Jones) - European Community finance ministers yesterday allowed the European Commission to borrow the equivalent of 1,500m Ситерсу Linits (ECUs) on International capital markets for project financing in

Herr Hanns Tletmeyer, the West German secretary of state for finance, who chaired the finance ministers' meeting, said the money would be borrowed to fuel the third edition of the socalled New Community Instru-

Last February, ministers decided in principle to extend borrowing under the NIC for a total of 3,000m ECUs.

#### Aurora to raise £19m

the share price.

long-awaited capital this year when his contract reconstrction at Aurora, the expires. special steels and engineering group, will raise £19m and have iterest charges over a full year. The scheme was delayed when it emerged that the Department of Industry was only going to subscribe the minimum £250,000 required rather than the hoped-for £2m.
Barclays Bank, the group's

main banker, has agreed to cancel or postpone various financial obligations worth sbout £2m. Sir Robert Atkinson, who was previously believed to be

ready to take more day-to-day

control of the company, will

retire as chairman at the end of

new managing director. Mr on revenue reserves. Dividends Arthur Watt, the former manag-ing director, resigned last month and another director, Mr Sim Hannah is due to leave the company. But Aurors has found the two new non-executive

directors it wanted to appoint from industry. They are Sir John Hill and Mr J Armstrong. The reorganization proposals which will have to be accepted by shareholders at an extraordipary meeting after next month's annual meeting, include the reduction of preference shares

and ordinary shares into a

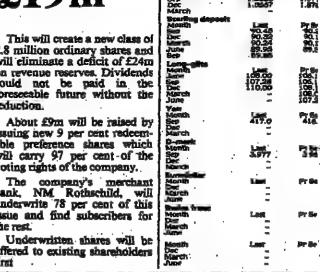
single class of capital.

2.8 million ordinary shares and Aurora is still looking for a will eliminate a deficit of £24m could not be paid in the foreseeable future without the About £9m will be raised by

issuing new 9 per cent redeem able preference shares which will carry 97 per cent-of the voting rights of the company. The company's merchant

bank, NM Rothschild, will underwrite 78 per cent of this issue and find subscribers for the rest.

Underwritten shares will be offered to existing shareholders



Big Offer To Authorized Units & Insurance Funds Hen Unit what his managers at 122 mg. 4. ECAN TO. ECAN 104.9 111.9 18.65 ft mg. 122 mg. 123 mg Exte | 200.1 | 201.4 | Prop Pen Pen | 201.5 |
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APPOINTMENTS.

#### New head at Morgan Crucible

Dr Bruce Farmer takes over as group managing director of the Morgan Crucible Company on July I from Mr John Gilbert who is retiring. Mr David Dunbar becomes chairman of Thermic division. Mr Graham Swetman, from the BOC Group, takes over the finance function.

Mr Brian Denney has been elected deputy chairman of the Insurance Brokers'

Association. Mr G. J. McKenzie has joined the board of Matheson &

Company. Mr Oliver Whitehead has been appointed managing dir-John Laing International, but will continue as a joint managing director of John aing Construction

Mr Nerman S. Bergel has joined the board of County Bank as a director in the international division. He was previously a director of Orion Royal Bank.

Mr Andrew Caldecott has joined the board of Electronic Rentals Group as a non-execu-

Mr David Wildsmith has been appointed a director of Charterhouse Japhet Invest-ment Management. He was formerly investment manager of the British Airways Pension

Mr Malcolm Hughes has been appointed general manager (market planning) and Mr Tim Melville-Ross general manager (housing) of Nation-wide Building Society.

Mr Alastair McCorquodale chairman of McCorquodale, has become a director of Guardian Royai Exchange Assurance.

Mr A. Sherazee has been appointed chairman and chief executive of Blackfriars Insurance, a subsidiary of Uni-

Mr Archie T. Gibson, divisional general manager (marketing and development) is to joint general manager (branch administration - east area) in succession to Mr Ivan R. S. Robson who is retiring. Mr David M. Dunlop, a district manager, branch administration cest area, is to be assistant general manager with responsibility for the marketing devel-opment, public affairs and VISA functions. Mr John C. Robertson, manager, central banking services, has been appointed assistant general manager.

Torin Douglas: Marketing and Advertising

#### Why British management is being told to put emphasis on design

Channel 4 may not have attracted as many viewers and as much advertising revenue as it would have liked, but it is already picking up awards, the latest batch of which recognizes the young television channel's achievements in the field of graphic design -Last week, it won a coveted

gold and two silver awards at the Design & Art Directors' Association's 21st annual dinner, for its corporate identity on screen, while one of its programme, The Snowman, won a silver animated film. Another, the antumn - scheduled series, Spice of Life, won the gold award for television graphics.

Television is giving design companies such as Robinson Lambie-Nairn (the Channel 4 corporate identity) and Lodge Cheesman (Spice of Life) unrivalled opportunities to show their flair and imagination. Of the four design areas that D & AD is concerned with - advertising, graphic, television and editorial design - television is currently the strongest, with both the BBC and the ITV companies outstanding in their use of title sequences for programmes such as Smiley's People, Omnibus, or The South

Yet if television graphic design is currently in the ascendancy, there is no doubt that all four of D & AD's areas of concern have shown British design at its best over the past 20 yearrs, building this country reputation that it simply does not have when it comes to the design of products.

It has become a commonplace in recent years that British advertising is "the best in the world" which may well be one reason many observers are now detecting a fall-off in the mandard

Similarly, in editorial design, publications such as The Sunday Times and Nova have, in their day, carved out international reputations as have publishers such as Penguin and a number of packaging monstrated.

Britain leads the world in the crafts of visual communication", Mr Edward Booth-Chibborn, the chairman of D & AD, says. "It is one of the areas which have grown considerably over the last 21 years and it is now an industry giving work to many and creating considerable

Japan Air Lines has new position for super executive.



invisible earnings for the British economy. This is something to

designed

Braup, which have taken design

seriously for many years, are taking a rapidly increasing share of sales.

at last been recognised - thanks

largely to vigorous lobbying on the part of established British

designers such as Sir Terence

has put its weight behind a drive to get British management

of the first and most vital

has been funding a design consultancy scheme through the

Design Council since the start

of the year, offering companies up to 15 days free design consultancy and a further 15

has been promoted with full

page advertisements in the

quality press on the theme "Design for Profit", showing a

number of examples of British

Leyland Range Rover, the Sinclair ZX81 Computer, the

Dunlop Max 150G carbon fibre

Helicopter and designs from

Laura Ashley.
"It is a sad state of affairs that

nnis racket, the Westland 30

These include the British

design success stories.

The Department of Industry

to recognize that design is on

aspects of product marketing.

Conran - and the Governme

Fortunately, the problem has

Amnouncing

ainsburysown

bungers.

be proud of, as D & AD is have been plain to see. actively seeking out ways to foster and encourage British to gain acceptance in overseas design to greater endeavours." markets, where design is given a Yet if Britain has produced higher recognition and is seen such outstanding designs in the as integral part of a product. In fields of advertising, packaging, turn, as the British public has books, newspapers and magazines, why has it not done so in demanded better goods, people have turned away from British products in favour the area in which, in economic from British products in favour terms at least, it really counts - of the better looking German the design of products? The answer has to be laid at the door Japanesse, Italian and French models. The motor industry is of the management. Except in one prime example - though design alone is not to blame for its ills. But another current the areas where visual communication is part of the product - television, books, boom area for importers is that newspapers and magazines of small electrical appliances, design has been seen as a slightly frivolous "extra" that

Design cannot be inst tacked on to create a new image'

can be tacked on afterwards, if necessary, but that can be done away with if costs are being

There have been exceptons, of course. Mr Kenneth Gill, a partner in the Pentagram design group, which was one of the founder companies in D & AD, has designed many outstanding products for British companies, as an exhibition at the Victoria and Albert Museum's Boiler-. house gallery last mouth de-

British Rail's High Speed Train, the Parker 25 pen, the Kenwood Chef mixer, razors for Wilkinson, irons for Morphy Richards, the Kodak Instamatic and many other products are

Unfortunately, though such talents may exist in greater numbers, lew are given the Wat Object

opportunities by British com- so many British companies can not stand up to foreign compepanies, and the consequences tition because they pay too little British products find it hard attention to design," runs the advertisement. "Yet in Britain we have some of the best inhouse and consultant designers

> "When times are tough, good design should be even more of a priority, because you have to be even more competitive. And all too often the design budget is the first to go."

and engineers in the world.

One area in which design can totally alter the fortunes of a company is retailing, as the Burton Group, which has had a long relationship with design consultants Fitch & Company, has demonstrated and as is now

> When times are tough, good design should be a priority'

being shown, not for the first time, by Sir Terence Conran. Sir Terence is currently focusing his attention on the Mothercare side of his Habitat /Mothercare empire and we shall shortly be seeing the first significant fruits of his labours there with the lamch of a new range of merchandise.

Last month, he gave up the chairmanship of the menswear retailers, J Hepworth, but not before he had been on hand to see the total relaunch of the chain, with a new range of merchandise, new store designs and corporate style and a new advertising campaign to put

"We have spent more than a year planning and putting into action what is, in effect, the rebirth of a famous high street name", Mr Bob Russell, manag-

(Retail), says.
"We have discovered the

حكدًا من الأعل

meaning of marketing with a capital 'M' and not before time, you might think. We have a new shop profile - a cool grey background with a red display coachline - taking the place of an old brown and gold livery. The ashwood trim, the deliberate lighting and displays within the shop, create a unique Hepworths shopping atmosshopping atmos

Mr Russell is quick to point out that there is far more to the change than just a new shop design and new merchandise policies and this, of course, is crucial to the whole business of 200d design.

It cannot be just tacked on in order to create a new image, unless that image is reinforced by all the other aspects of a company - the quality of the goods, the attitude of the staff

This, unfortunately, is where there is room for difficulties in the areas of design which the Design & Art Directors' Association concentrates on. For it is perfectly possible to create a brilliant television commercial or a superb pack for a product that does not match up to the

For example, many advertising and marketing people wonder whether Tesco is wise with its current advertising campaign to go so strongly down the Sainsbury route, emphasising product quality. range of wines, fresh vegetables and so on, when many of its stores are plainly not up to the comparison. The Sainsbury campaign, by contrast, is a perfect reflection of its stores and its goods and as such has produced enormous returns.

The fact is that brilliant advertising and graphic design cannot on their own improve a product and though they may well sell the item once they will not sell it twice.

The bigger the differential between the promise implied by the packaging and the reality inside, the bigger the customer's resentment - and no amount of gold and silver awards can make up for that.

An exhibition of the best advertising, graphic and television design, organised by D & AD, is currently on at the Boilerhouse Project, Victoria and Albert Museum

Industrial notebook

#### Invisible earners in need of justice

invisible exports are those of professional firms such as consulting engineers and architects. In little more than 10 years their overseas earnings have grown by nearly a factor of 20 and are now approaching £1 bn.

This is much faster progres than even the fast-growing sectors in merchandise trade. such as pharmacenticals (eightfold) textiles Moreover, (elevenfold). invisibles are four to five times more profitable merchandise exports, which often have a 25 per cent import content, so that even a modest expansion in invisibles can be equivalent to a substantial

increase in merchandise trade. It is obvious, therefore, that this is the type of activity which should be encouraged to grow to the fullest extent. Yet there are still many obstacles we put in the way of our professional companies which greatly restrict their progress.

enjoying organizations monopoly within the variety of clients at home and abroad and, in the process, frequently undermine the viability of private firms. The latter make two serious against nationalized computanci-

antionalized The compete anfairly, for who can unrave their true costs from their labyrinthine finances?

A much more serious charge is that they prevent private firms from gaining any experience at all in many important fields. If a professional firm cannot claim accesses in its home market, it is at a grave disadvantage against its foreign competitors. French and German firms do not suffer from such debilitating restrictions, which in this country have gained momentum largely because of the aspirations of a few overambitious men in some of the nationalized consultancies. In France Germany, and everything is done to encourage private firms to

It would, in any case be in the interest of the untiqualized consultancies to engage in constructive competition well as cooperation in joint

ventures with private firms, for there is much the two could learn from each other. They could also benefit from the very high reputation which British firms have built up, all

over the world. Taxation important limiting factor on the rapid expansion of professional firms overseas. Although the situation has improved, it is still a great deal easier for foreign firms to build up reserves for financing their ambitious promotion programmes. As international competition intensifies, it is imperative to spend more on promotion and travel. But British companies frequently lack adequate funds for this.

The problem can be particularly acute among partner-ships, where there are two

great disadvantages. First, every time a partne retires, the firm is "decapitalized" to the extent of his share of the assets; no long-term capital base can, there-fore, be built up. In addition, it is very difficult to attract longterm capital as distinct from overdraft facilities.
There is a need, therefore,

for further tax reform to provide firms with adequate funds for promotion.

Provided we place the "services" on an equal footing with industry, our prospects abroad should be highly encouraging. Indeed, it is quite reasonable to expect that the overseas earnings of the the place of, say, the motor industry exports within five to ten years.

When Britain's oil reserves run out, it will be the service sectors (and not our shrinking manufactures) which will fill the gap. The trade figures for the past decade alone amply justify this seemingly optimistic expectation.

Thus, between 1970 and 1980 world trade in services grew by an astonishing 17 per cent a year in real terms compared with 6 per cent a year for manufactures. This is where the future lies and this is where we should concentrate our efforts to reinforce an aiready notable success

**Andrew Tessler** 

The author is chairman of ITI Research, an international consuitancy firm.

This advertisement is issued to compilence with the reculrements of the Council of The Stock Exchange. It does not cons to any parson to subscribe for at purchase any Preference Shaces.

#### **EXTEL GROUP PLC**

Issue of 838,198 10½ per cent. Cumulative Preference Shares of £1 each

The Council of The Stock Exchange has admitted the above-mentioned Preference Shares to the Official List. Particulars of the rights attaching to them are available in the Extel Statistical rvice and copies of the statistical card may be obtained during usual business hours on any weekday (Saturdays excepted) for the next fourteen days from:

> Bering Brothers & Co., Limited, 8 Bishopsgate, London EC2N 4AE House Govern Limited.

319/325 High Holbom,

London WC1V 7PB.

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on all B747s.

our Executive Class.

#### Japan survey shows drop in company profits

rent profits of Japanese com-panies fell 2.7 per cent in the first quarter of 1983 from a year earlier compared with a 14.6 per cent year-on-year fall in the preceding quarter, the Japanese imance ministry said in a

survey. The survey was based on a random sampling of 20,493 companies out of 295,182, excluding banks and insurance firms, with a capital of over year 10m (£25,575.4). This is the

biggest survey of this kind in Japan by Government agencies and private research groups. The survey said first-quarter sales were up 0.4 per cent from a year earlier,

Manufacturing sector comfall in recurrent profits in the first quarter after a 12 per cent fall in the proceding quarter, and a 12.1 per cent year-on-year gain in sales after a 17.2 per cent fourth-quarter 1982 fall, the survey added.

#### To the Holders of

#### KYOWA HAKKO KOGYO CO., LTD.

U.S. \$40,000,060

61/4 % Convertible Bonds 1997

NOTICE OF FREE DISTRIBUTION OF SHARES ADJUSTMENT OF CONVERSION PRICE

Pursuant to Clause 7 (B) of the Trust Deed dated January 31,

Pursuant to Clause 7 (5) of the Trust Deed dated January 31, 1983 under which the above described Bonds were issued, you are hereby notified that a free distribution of Shares of our Company at the rate of 0.05 share for each one share held will be made to shareholders of record as of June 30, 1983.

As a result of such distribution, the Conversion Price at which shares are issuable upon conversion of said Bonds will be adjusted pursuant to Condition 6 (A) of the Bonds from 762 Japanese Yen to 725.7 Japanese Yen effective as of July 1, 1983.

KYOWA HAKKO KOGYO CO., LTD.

Dated: June 14, 1988



U.S.\$15,000,000.00 UNITED MIZRAHI INTERNATIONAL INVESTMENTS NV

**Guaranteed Floating Rate Notes 1987** Por the six mouths 15.6.83 to 15.12.83

The Notes will carry as denest rate of 10% % per agon Cospon Value U.S.\$514.69 Listed on The Stuck Exchange, London
Market Westminster Stuck PLC, London

Notice to Holders of

#### KYOWA HAKKO KOGYO CO., LTD. £15,000,000

61 Per Cent. Convertible Bonds Due 1996

The Board of Directors of the Company decided on the 26th May 1983 to effect a free distribution of shares at the allocation ratio of 0.05 shares for every one share held by shareholders on register at 30th June 1983, at 3 p.m. Tokyo time. As a result of the above the conversion price of the captioned bonds shall be adjusted from the present price of Yen461 to Yen439 as from the 1st July 1983 Tokyo time in. accordance with conditions 6(A)(1) of the conditions of the bonds.

The Industrial Bank of Japan Limited Principal Paying Agent

NOTICE OF REDEMPTION AND TERMINATION OF CONVERSION RIGHTS

#### Komatsu Ltd.

(Kabushiki Kaisha Komatsu Seisakusho)

74% Convertible Debentures due June 30, 1990

NOTICE IS HEREBY GIVEN that, pursuant to the provisions of the Indenture dated as of July 1, 1975, as supplemented by a First Supplemental Indenture dated as of September 1, 1982 (effective as of October 1, 1982) between Komatsu Ltd. (the "Company") and First National City Bank (now Citibank. N.A. as the "Trustee") under which the above-designated Debentures were issued. \$547,000 aggregate principal amount of the said Depentures of the following distinctive numbers has been drawn by lot for edemption on June 30, 1983 through the operation of the sinking fund at the redemption price of  $100^\circ$ . of the principal amount thereof:

REGISTERED DEBENTURES WITH PREPIX LETTERS RM (To be redeemed in full at \$1,000 such)

1208 1204 1206 1206 1207 1208 1468 1469 1470 1471 2160 2260 2408 2409 2460

REGISTERED DEBENTURES WITH PREFIX LETTERS BY pel amount thereof to be redoomed appearing in parentheses after the number: 797 (1.000) 805 (5.00) 1000,61

RECINTERED DEBENTURES WITH PREPLY LETTERS BY 480 (2,000) 747 (10,000) 749 (10,000) 807 ( 3,000) 748 (10,000)

1458 (25,000) 577 IN.0001 1439 (25,000) 1459 (25,000) 1483 (25.fxH) 1370 ( 1.000) 1460 (25,000) 1461 (25.000)

COUPON DESENTURES WITH PREFIX LETTER M (To be restorated in hill at 93,480 such)

877 3456 4468 5890 9518 18801 15449 19821 20806 25429 31116 44001 44734 44740 44816 45007 4507 1887 2459 4877 3825 9372 1880 18224 19822 20807 28378 31119 44808 41745 14725 14823 45804 45804 1211 34806 5182 9553 1877 18805 18820 19805 20844 27756 31121 44642 44719 44802 44845 45824 1212 24805 5180 0589 1144 18880 17809 22800 28800 28802 41746 44648 44702 44804 45820 12825 1286 5180 0589 1144 12800 47800 28800 28800 28800 24125 44648 44702 44803 44800 45800 18800 1

The Debentures referred to above will become due and payable and. UPON PRESENTATION AND SURRENDER THEREOF (those Coupon Debentures to have all coupons appertaining thereto maturing after June 30. 1983) will be paid on said redemption date at Cithank, N.A., 111 Wall Street, Receive and Deliver Windows—5th Boor, New York, NY 10043, principal offices of Citibank, N.A. in Amsterdam, Brussels, Frankfurt/Main, London, Milan, Paris, and Citibank (Luxembourg) S.A., and the principal offices of J. Henry Schroder Wagg & Co. Ltd. (London), Banque Europeenne de Tokyo. S.A. (Paris). Kredietbank S.A. Luxembourgeoise (Luxembourg). The Fuji Bank. Limited (London). The Bank of Tokyo. Ltd. (London) and The Sumitomo Bank. Limited (London), as the Company's Paying

Agents. From and after said redemption date, interest on said Debentures will cease to accrue.

Interest payable June 30, 1983 to holders of fully Registered Debentures shall be paid to the persons in whose names the Debentures are registered at the close of business on the Regular Record Date which shall be June 15, 1983 and said interest shall be mailed to the registered holders. If the holder does not elect to convert, coupons maturing June 30, 1983 should be detached and presented for payment in the

The above specified Debentures called for redemption may be converted at the option of the holders thereof imo Common Stock of the Company, American Depositary Receipts ("ADRs") or European Depositary Receipts ("EDRs") representing Common Stock of the Company at any time prior to, but not after, the close of business on June 28, 1983 at a conversion price (with Debentures taken at their principal amount translated into Japanese Yen at the rate of Y294.30 equals \$11 of 348.70 Japanese Yen per share of Common Stock. At the Close of Business ON JUNE 28, 1983 SUCH CON-VERSION RIGHTS WILL TERMINATE AS TO ALL DEBENTURES BEING REDEEMED AS SPECIFIED ABOVE.

Due to a change in the Japanese Commercial Code effective October 1, 1982 the Company shall effect delivery of only that number of issuable shares, ADRs or EDRs representing a unit of 1000 common shares or an integral multiple thereof. For any conversion not resulting in an integral multiple of 1000 shares, the Company will pay a cash adjustment in United States Dollars based on the market price of the common stock on the Tokyo Stock Exchange and the dollar/yen exchange rate on the date of conversion. At the present time the conversion of a single \$1,000 Debenture would result only in the payment of a cash adjustment and no shares would be issued. If converted on May 23, 1983 the cash adjustment would be approximately \$1,778 for such \$1,000 Debenture. If more than one Debenture is deposited for conversion at any time by the same holder, the number of shares issuable upon conversion shall be calculated on the basis of the aggregate principal amount of Debentures deposited. In order to exercise the right to convert the above listed Debentures, the holder must deposit the Debenture on or prior to June 28, 1983 at any of the above mentioned offices of the Company's Paying

Agents (acting as Depositories or Subdepositories) together with a written election to convert stating the name(s) and the address(es) of the person(s) to whom the ADRs, EDRs, common stock and/or cash adjustment is to be delivered. Bearer Debentures deposited for conversion must have the June 30, 1983 and all subsequent coupons attached. Fully registered Debentures deposited on or after June 15, 1983 must be accompanied by the interest payable on June 30, 1983.

On May 23, 1983, the closing sale price on the Tokyo Stock Exchange of the Common Stock was

500 Yen per share.

KOMATSU LTD. By: CITIBANK, N.A. as Trustee

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May 27, 1983

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This Prospectus includes information given in compliance with the Regulations of the Council of The Stock Exchange in London, for the purpose of giving information to the public with regard to Malaysia and the Stock. Malaysia has taken all reasonable care to ensure that the facts stated herein are true and accurate in all material respects and that there are no other facts the omission of which would make misleging any statement herein whether of fact or of opinion. Malaysia

Application has been made to the Council of The Stock Exchange in London for the £50,000,000 Loan Stock 1988 (the "Stock") to be admitted to the Official

by bears bonds which will be available in the denormation of £5,000. Stock in registered form may be exchanged for bears' bonds and was varied at any time after 12 October, 1983. Renounceable abornent letters loantly paid in respect of the Stock will be despatched on 22 June, 1983. Complicates in respect of the after 12 October, 1983. Renounceable abornent letters loantly paid in respect of the Stock will be despatched on 22 June, 1983. Or plicates in respect of the Stock in registered form and bears' bonds in respect of Stock in bears' form will be available on 12 October, 1983 provided the balance of the moneys payable has

THE APPLICATION LIST WILL OPEN AY 10.00 A.M. ON THURSDAY, **16 JUNE, 1983 AND WILL CLOSE LATE**N THE SAME DAY.



#### Malaysia

Issue on a vield basis of

#### £50,000,000 Loan Stock 1988

payable as to £30 per cent. of the nominal amount on application and as to the balance of the issue price not later than 21 September, 1983 with interest payable half yearly on 3 January and 3 July

The Issue has been underwritten by

Morgan Grenfell & Co. Limited

**County Bank Limited** 

Kleinwort, Benson Limited

Lloyds Bank International Limited N.M. Rothschild & Sons Limited

Samuel Montagu & Co. Limited J. Henry Schroder Wagg & Co. Limited

**Standard Chartered Merchant Bank Limited** 

S.G. Warburg & Co. Ltd.

#### PROCEDURE FOR APPLICATION

Each application must be made in the form of the application form provided herewith and must be lodged with National Westmenster Bank PLC, New Issues Department, P.O. Box 79. Drapers Gardens, 12 Throgmorton Avenue, London EC2P 2BD, not later than 10.00 a.m. on Thursday, 16 June, 1983 and must comply with the provisions of "Terms of Payment in respect of

Applications for Stock must be for a minimum of £100 nominal amount of

Amount of Stock applied for 200,52--0013 £100 -£2,000-£20,000 £20,000 -- £100,000 £1.000 £100,000 or greater £25.000

Morgan Grenfell & Co. Limited, on behalf of Malaysia, reserves the right to application is not accepted the amount paid on application will be returned by as accepted for a smaller amount of Stock than that applied for, the balance of the amount paid on application will be 50 returned without interest, and in the meantime all such amounts will be held in a separate account.

Morgan Grenfell & Co. Limited, on behalf of Malaysia, will announce the basis ment by 9 30 a.m. on Friday, 17 June, 1983. It is expected that confirmation of alterments will be despatched on that day. Acceptances of applications for Stock will be conditional (inter alia) upon the Council of The Stock Exchange admitting the Stock to the Official List on or before Wednesday, 22 June, 1983 Morgan Grenfell & Co. Limited, on behalf of the Underwriters, has the right in certain organistances to terminate the underwriting agreement, which is subject to certain conditions and accordangly, if such rights are exercised or the underwriting does not become nconditional, no applications for Stock will be accepted or, as the case may be acceptances of applications for Stock will become void (see "General Information Underwriting Arrangements" be

#### TERMS OF PAYMENT IN RESPECT OF APPLICATIONS

Each application, unless made by a recognised Bank or Stockbroker taking advantage of the alternative method of payment described below, must be PLC' and crossed "Malaysia Loan" representing payment at the rate of 1 30 per cent, of the nominal amount of Stock applied for. Such cheques must be drawn on a branch in the United Kingdom or the Channel Islands of a bank which is either a member of the London or Scottish Clearing Houses or which has arranged for its cheques to be cleared through the facilities provided for the members of those Clearing Houses.

The alternative method of payment is available only to recognised Banks or Stockbrokets who atmeocably engage at the application forms lodged by them to pay National Westminster Bank PLC New Issues Department, P.O. Box 79 Drapers Gardens 12 Theoremorton Avenue, London EC2P 280 for credit to the account designated "Malaysia Loan" by 10.00 a.m. on Wednesday. 22 June, 1983 the amount in Town Clearing Funds representing payment at the rate of £30 per cent of the nominal amount of the Stock in respect of which they applications shall have been accepted

Morgan Gronfell & Co. Limited, on behalf of Makaysia, reserves the right to instruct National Westminster Bank PLC to retain the relevant allotment clearance of applicants' romittances.

The balance of the amount payable on any Stock allotted must be paid on or before 21 September 1983. Such balance may be paid in advance of its due date but no discount will be allowed or interest paid on such balance for any period pilot to 21 September, 1983. Failure to pay such balance when due will render all amounts previously paid liable to forfeiture and the alletment to cancellation. Interest at the rate of two per cent. above the Base Rate of National Westminster Bank PLC may be charged on such balance accepted after its due dots. Malaysia further reserves the right, in default of payment of such balance, to sell any such Stock fully paid for its own

The expression "recognised Bank or Stockbroker" shall mean any organisation which is a recognised bank for the purposes of the Banking Act 1979. and any firm of Stockbrokers which is a member of The Stock Exchange of the United Kingdom and the Republic of keland and such other banks or brokers as Morgan Grenfell & Co. Limited, on behalf of Malaysia, shall at its on think hi for the purposes of the issue

The expression "Town Closning Funds" shall mean a cheque or banker's payment for £10,000 or more drawn on a Town Clearing Branch of a bank in

Renounceable afformant letters (partly paid) in respect of Stock allotted will be despatched on Wednesday 22 June 1983 by first class post to, and at the risk of, the person submitting the application in accordance with the

Allogment letters may be split up to 3.00 p.m. on 19 September, 1983 m the instructions contained therein into denominations or multiples of £100 nominal amount of Stock.

Unless a duly renounced allotment letter with the registration application form and/or the form of application for Stock in bearer form duly completed is received by National Westminster Bank PLC. New Issues Departm Box 79, Drapers Gardens, 12 Throgmorton Avenue, London EC2P 28D, on or before 21 September, 1983, the Stock represented by such allotment letter will, provided it is fully paid, be registered in the name of the original allottee and thereafter Stock in registered form will be transferable only by

Allotment letters will provide for Stockholders to elect to take delivery of Stock in bearer rather than registered form. Stock in bearer form will be represented by bearer bonds which will be available in the denomination of

By collection from the offices of National Westminster Bank PLC, ack Office Services, 20 Old Broad Street, London EC2N 1EJ.

By nost at the risk of the applicant, National Westminster Bank \*LC will make any package destined for an address in the United Kingdom provided a cheque is enclosed with the allotment letter made out for 50g per £1,000 nominal amount of bearer bonds to be sent (minimum payment E3). Insurance rates for other

By derivery to an existing account with Euro-clear Operations Centre or CEDEL S.A.

Stack Correlicates in respect of Stock in registered form will be despatched to

the registered holders (in the case of joint holders to the first named) at their agratered addresses, as their risk, by National Westminster Bank PLC on 12 October, 1983, After such date the relevant allotment letters will cause to be

No Stock Cartificatie will be issued and no beener bond will be made available unless the Stock to be represented thereby is fully paid.

#### DETERMINATION OF RATE OF INTEREST AND ISSUE PRICE

The Stock will have attached such rate of interest and be issued at such price as well result in the Stock having a gross redemption yield determined on the basis described below (the "Issue Yield").

The Issue Yield shall mean the sum of 1-00 per cent, and the gross redemp yield rounded to three places of decreals furth 0.0005 being rounded upwards), on 10 12 per cent, Treasury Stock 1989 at 3 p.m. on Wednesday, 15 June 1983 Such gross redemption yield will be expressed as a percentage and will be calculated on the basis set out under "Calculation of Gross Redemption Yield" holow, in connection with which the price cum dividend of such Treasury Stock will be the price determined by Morgai Grentell & Co. Limited to be the anthmetic mean of the respective bid and business day by three jobbers in the Gilt-edged market.

The rate of interest attaching to the Stock will be determined by Morgan Grentelli & Co. Limited and will be an integral multiple of one-quarter of one per cont, and will be as high as possible consistent with an issue price as near as possible to, but not greater than par. The usus price will also be determined by Morgan Grentell & Co. Limited and will be expressed as a percentage rounded to three places of decemals (with 0,0005 being rounded

It is intended that notice of the Issue Yield, rate of interest and issue price will be published in the Financial Times or The Times on Thursday, 16 June.

#### CALCULATION OF GROSS REDEMPTION VIELD

The grass redemption weld will be calculated on the basis indicated by the Joint Index and Classification Committee of the Institute and Faculty of Actuaries as reported in the Journal of the Institute of Actuaries Vol. 105. Part 1, 1978, Page 18 as follows:

"Redemption yields are culculated taking accrued interest as part of the pince and using a true compound interest formulaise, finding the value of vito give

$$f(t) = v \cdot \left(C_t + C \frac{(1-v)^2 v}{(1-v)} + R v^2\right) - P - \sum_i \beta_i \cdot v^2 i$$

· C is the coupon amount per period. Cris the actual coupon due at the next payment date helich may bezero if the stock is already quoted "ex dividend" or may be a first

a is the integral number of periods till redemption from the next is the fractional period till the next payment date,

P is the price actually payable (with 'accrued interest' not 'shipped B<sub>1</sub>, S<sub>2</sub> giz. are outstanding calls on a partly-paid stock,

 b) etc. we the fractional pengds till these calls are due. When the root of fivil has been found the gross yeld, y, convertible

y=200(1:v =1) per cent. where k is the frequency of coupon payment per year."

#### PARTICULARS OF THE STOCK

The same of the £50,000,000 Loan Stock 1988 (the "Stock") of Malaysia will be made by the Minister of Finance of Malaysia on behalf of Malaysia under the External Loans Act, 1963 (as amended) of Malaysia and will be constituted by a Deed Poll to be entered into by Malaysia. The following includes a summary of, and is subject to, certain distailed provisions of the Deed Poll, copies of which will be available for inspection at the offices of the Registrar and Paying Agents referred to below.

The Stock will be a direct, inconditional and general obligation of Malaysia and the full faith and credit of Malaysia will be pladged for the due and punctual payment of the principal of and interest on the Stock and for the due and timely performance of all obligations of Maleysia with respect thereno. Subject to "Negative Pledge" below, the Stock will rank pan passu with all other unsecured indebtedness of Maleysia from time to ame outstanding. "indebtedness" means all indebtedness of Malaysia in respect of moneys

Malaysia will not create any mortgage piedge or other charge upon the whole or any part of its present or future revenues or assets to secure any External iness without securing the outstanding Stock pair passu therewith and the insurament creating any such mortgage, pledge or other charge shall expressly provide therefor. "External Indebtedness" means indebtedness which is expressed or denoministed in a currency or currencies other then the Malaysian ringoit or which is, at the option of the parton antitled thereto payable in a currency or currencies other than the Malaysian ringgit."

The Stock will bear interest from 22 June, 1983 at a rate per annum to be determined in accordance with "Determination of Rate of Interest and leave Price" above, Interest will be payable lians, where applicable, Limned (the "Interest Payment Dates") in each year except that the first payment of interest in respect of the period from 22 June, 1983 to 3 January, 1984 will be made on 3 January, 1984 and will be calculated using the following

$$gl = \left(\frac{91}{365} \times \frac{30}{P} \times R\right) + \left(\frac{104}{366} \times R\right)$$

where ... El is the first payment of interest on £100 nominal amount of Stock. R is the percentage rate of interest attaching to the Stock, and

interest will coase to accrue on the Stock on the due date for redemotors thereof unless payment of principal is improperly withheld or refused.

The Stock will be available either in registered form ("Registered Stock") or, at the option of the person entitled thereto, in bearer form ("Bearer Stock"). On or after 12 October, 1983 and subject as provided below, Registered Stock may be exchanged in nominal amounts of £5,000 or integral multiples thereof for Stock in bearer form and Bearer Stock may be exchanged for well be available in the denomination of £5,000 each 1the "Bearer Bonds"! and on issue an interest coupon ta "Coupon") will be attached to each Bearer Bond in respect of each Interest Payment Date following the date of issue of such Bearer Bond, provided that, in the case of a Bearer Bond issued pursuant to an application received between the day following a Record Date (as defined below) and the immediately succeeding interest Payment Date (inclusive), no Coupon will be attached in respect of that immediate

Applications for Bearer Stock made before the issue of definitive documents of site must be made on or before 12 October 1983 in accordance with the instructions contained in the allotment letter which will be despatched to essue of definitive documents of title, applications for exchange must be made on the forms available at the specified offices of each of the Registrar, the Exchange Agent, the Principal Paying Agent and the other Paying Agents referred to below and must be made by the registered holders of Register Stock or the holders of Bearer Bonds, as the case may be, lodown such forms application is lodged on or before 21 December, 1983, no charge will be made in respect of such exchange; after 21 December, 1983 such exchange will only he made on extrement of such costs and expenses as may be incurred

An application to exchange Registered Stock for Bearer Bondial shall have attached thereto the Stock Certificate(s) to which such application relates and an application to exchange Bearer Bond(s) for Registered Stock shall have together with all unmetured Coupons appertaining thereto. Felling presentation of all unmatured Coupons appartaming to any Bearer Bond, ag exchange will be made in respect thereof. In the case of an applica rocewed during the period commencing on the day following a Record Date lating due for payment on such interest Payment Date shall, for the purpor of this paragraph, be deemed to have matured, if the Stock Certificate attached to an application for the exchange of Registered Stock for Bearer Bonds relates to a prester normal amount of Stock than that in respect of which application for exchange is made or relates to a nominal amount of Stock which is not an integral multiple of £5,000, the balance of such Stock will remain in registered form and a new Stock Certificate will be issued to the noider in respect thereof. All applications for the exchange of Registered Stock for Bearer Bonds and wice verse will be wrevocable. An application shall be deemed to be made on receipt by the Euchange Agent of a duly completed

The Initial Exchange Agent in National Westiminster Bank PLC and its had office is at Stock Office Services, 20 Old Broad Street, London EC2N 1EJ or such other place or places in London as Malaysia may from time to time agree and notify to Stockholders in accordance with "Notices" below. Malaysia reserves the right to territorie the appo Exchange Agent provided that no such termination shall take effect until a new Exchange Agent lawing a specified office in London has been appointed ent has been given to Stockholders in accordance

Bearer Bonds issued in exchange for Registered Stock and Stock Cartificates on respect of Registered Stock issued in exchange for Bearer Bonds will be available for delivery at the specified office of the Exchange Agent or will be despatched, in accordance with the instructions contained in the application, at each case within three business days of receipt of the relevant application

#### Wastening in Back PLC P.O. Box No. 79 Drapers Gardens

Landar EC2P 280 ··· · Registrar and Transfer Office

P.O. Box No. 82 37 Broad Street Bristol BS99 7NH

#### Principal Paying Agent and Exchange Agent

Landon EC2N 1EJ

Paying Agents

Morgan Guaranty Trust Company of New York 8-1040 Brussels

P.O. Sex 1108

Saughtur and Miny

Arthin-L Col 2 Leboh Ampano Kraffa Europer

W. Greenwell & Co. London EC4M BEL

oncon ECZY NOS

London EC2A TJA

The Register and Transfer Office for the Registered Stock will be at the Sank PLC and its adecified office is at Registrars' Department, P.O. Box 82. 37 Broad Street, Bristol BS99 7NH or such other place or places in England accordance with "Notices" below. Malaysis reserves the right to terminate priment of the Registrer provided that no such termination will take appointed and notice of his appointment has been given to Stockholders in

Recistered Stock will be transferable in amounts and multiples of one pear by an instrument in writing as if the Stock were a security to which S of the Stock Transfer Act 1963 of Great Britain applied. The Bearer Bond will be transferable by delivery.

layele will redeem the Stock (unless previously purchased and car at par on 3 July, 1988.

#### (b) Purchases

Maleysia may at any time purchase Stock in the open market at any price or by private agreement at a price (exclusive of accrued interest and expenses) ing 115 per cent. of the middle market quotation of the Stock on The Stock Exchange in London (or, failing such quotation, on such other stock suchange or securities market on which the Stock is listed for the time being! at the close of business on the last business day before the date of purchase,

#### (c) Canoniation

Stock so redeemed or purchased shall be cancelled forthwith and will not be aveilable for re-assum.

In the case of Registered Stock, payments of principal and interest will be made in pounds sterling by cheque or warrant, drawn on a Town Cleaning Branch of a bank in the City of London, which will be posted, no later than the due date for the relevant payment, at each Stockholder's risk, to persona who are registered as Stockholders at the close of business on the relevant Record Date or to their noministed agents and made payable to such Stockholders, in the case of joint holders in respect of a particular holding, the cheque or ade payable to all such holders) will be sent to the first named on the Register unless instructions to the contrary are given in wryting to the of the first Interest Payment Date, at respect of which the Record Date will be 2 December, 1983) the thirtieth day before an Interest Payment Date but should such thirtieth day fall on a day on which the specified office of the Registrar is not open for business, then the Record Date shall mean the first day theresher on which such specified office is open for bus

In the case of Bearer Stock, payments of principal will only be made against Surrender of the Bearer Bonds and, subject as mentioned below, payor office of the Paying Agent in London in pounds starting or, at the option of the bearer, at the specified office of any other Paying Agent, by a cheque in counds starting drawn on, or by transfer to an eccount in pounds starting sentained by the payee with, a bank in London.

Bearer Bonds should be surrendered for redemption together with all unmatured Coupons, lailing which the lace value of any missing unmatured Coupon for, in the case of partial payment in respect of any Bearer Bond being made, the proportion of such face value which the amount of the part ars to the principal amount due in respect of the Bearer Bonds) will be deducted from the pratcipal sum due for payment. Any amounts of pracopal so deducted will be paid in the manner memboned in the preceding iph against surrander of the relevant missing Coupon at any time before the expiry of a period of 10 years after the due date for such redemption, whether or not such Coupon would atherwise become void

If the doe dese for payment of any amount of prencipal or interest in respect of arry Bearer Bond or Coupon is not a day on which banks are open for business in the location of the specified office of the Paying Agent at which the Bearer Bond or Coupon in question is presented for payment and (in the case of payment by transfer to an account maintained by the payee in London a referred to above) on which dealings in pounds sterling may be carried on in both Landon and in such place, then the holder thereof shall not be entitled to payment of such amount until the next following such day in such place or places or to any interest or other sum at respect of such delay.

If the redemption date for any Bearer Bond is not an Interest Payment Date, enterest account since (and including) the last preceding Interest Payment Date will be paid only to the holder, against surrander, of the relevant Bearer

The untial Paying Agents and their specified offices are listed below. Malaysia will at all times maintain a Paying Agent in London and in one country in continental Europe. The Stockholders will be notified in accordance with "Notices" below of the replacement of any Paying Agent, any change in the specified office of a Paying Agent and the appointment of any additional

All payments of principal and interest in respect of the Stock are and will be exempt from any and all restrictions relating to exchange control imposed by Malaysis, but will be subject to any fiscal or other laws applicable in England and liviture the relevant Bearer Bonds or Coupons are surrendered for payment at the specified office of a Paying Agent outside England) in the jurisdiction where such specified office is located.

All payments of principal and interest made by Maleysia in respect of the Stock and all other obligations of Malaysia as represented by the Stock are and will be exempt from, and will be made without withholding or deduction for or on account of, any present or future taxes, duties, levies, assessments or other charges of whateoever nature (including estate and succession duces) now or herester imposed or levied on the Stock or any holder thereof

by or on behalf of Malaysia or any positical sub-difficient or taxing authority thereof or therein. The toragoing shall not apply to the imposition of or withholding or dedoction for of on account of any such tax; duty, levy. extending or beduction for on account or any ment use only hory, assessment or other charge on a payment of principal of interest in respect of Stock where the holder thereof is fishit to such tax, duty levy, assessment or other charge by reason of liaving like recidence in Meloysia or maintaining in Malaysia a permanent establishment to which the holding of such Stock is Malaysia a permanent esteurismostration attributable for the purposes of Malaysian securia tast.

- (ii) Malaysia shall default in any payment of interest in respect of the Stock or any part of it and such distruct shall not have been cursed by payment thereof within 10 days after the due data therefor; or
- (II) Melaysia shall default in the performance of any other elevants of respect of the Stock and Size default steel bootstike for a pation of 50 days after written notice thereof stall have been given to plean se at the office of the Registrar by the holder of any Stock; or
- (bi) (a) an event of default, as defined in any mortgage, isidelities or instrument ander which there may be incurred, or by writch there may be secured or evidenced; any indebtedities like telephone "Status" above), which is such indebtedities nich exists or state States above, whether such indeptentes now exists or state hereafter be created, shall happen and (1) such avent of default shall result in such indebtedries becoming due and physicis phis to the date on which it would officewise become due and physicis physicist and payment thereof shall be validly demanded, and (3) such accountable. shall not be rescintled or annuited within 20 days after written notice shall have been given to Maleysia at the office of the Registrar by the holders of 25 per cert. or mitre of the principal amount of the Stock liter outstanding or pursuant to an Extraordinary Resolution (as defined in the Deed Polit) of the Stockholders regularly indiayals to rate such staps as it may consider necessary to secure elich rescission or annument, or thi any indebtedrast in our paid at its maturity (as extended by any grice period cognishy applicable thereto) or in the case of a guaranteal which their

then, at the option of and door written definited to Mattych as the difficient the Registrar by a holder of Stock, the Stock held by stich parson will menture and become due and bayable at par, together with accrued interest to the received unless prior to such dete Malaysia shall have cutod all such defaults.

If any principal or interest in respect of Stock which was factoring shore on the due date for payment of such printiple of interest remains projection for a period of 10 years let the case of principal or 5 years let the case of tribitely from the later to occur of 10 such that the later or librate and (ii) the date on which the officure or warlank in payments thereof well first despatched, such principle or less the been may life interest shiel at the eith or such 10-year of less the case may be 5-year parished be furthered and fewer to Malaysia and the neghts in respect of the period be fortested single select to Malaysia and the neghts in respect of the period otherwise entitled therete shall become void. Each Seal's Soft Sid (\$5550 as imentioned in "Psyments" above) seth Couptri will be void unless stirrightened for payment within a period of 10 years and 5 years, resplicitly, froth the later to occur of (i) its due date for payment and (ii) the date of sethich, the full amount of moneys payable in respect of the Stock on such date filtering been received by the Principal Psiving Agent, notice of such receipt in Stockholders in accordance with "Notices" below.

#### Republisment of Strick Certificaties, Beard: Bondi girli CodyStia 🦠

If any Stock Certificate. Bearter Scrid or Coupéri le rituitantel, déflacét; destroyed, atolen of tion it mais be reptéced ét tre Sibilifiad Efficie et tile Registrar in the case of a Stock Certificaté or ôf the Etitionips Agistit in the case of a Bearer Bond de Coupérn upon payment by the citifiade of such coints case of a desire screen recorded upon payment by the camanic of such contains an any be incurred in bornection their best side of such string in the case may be case in the c

Title to Bearbi Bonds and Collipons

Malayere and any Raying Algert may treet the hotter of any Bearts Sorte or Coupon as the absolute owner thereof (whether or not such Bearts Bond or such Coupon shalf be overdue and notwithstanding any notice of ownerable or winding thereon) for the purposes of receiving payment and for all other purposes. . .

All notices will be valid if desparched by poet to each Stockholder at his registered address (in the case of part holders, to the address of the holder whose name stands hist in the Register and it business in the leading daily newspeer printed in the English language and with gentles breathten in London or, if this is not practicable, in a fillwasser printed in the English Longuage having general criculation in Europia, It is appointed in the cripmen publication of such notices will normality Be made at the Priorities Talant. Any such notice will be deemed to have liben given on the lattir of the day following the class of such despitable and the table of the first such publication.

Modification of Rights tions of the Stock and the provis

of the Stockholders are subject to modification pursuant to an Extraordinary Resolution of the Stockholders as provided in the Besti Pdi.

Governing Law, Jurisdiction and Walver of finmently The conditions of the Stock and the provisions of the David Pair this be-governed by and construct in accordance with the laws of England.

Molayses will erreviseably eigher that any state, action or proceeding, i proceeds engs.) arrang dut of or in contraction with the Stock that his state it is on the contraction with the Stock that his state it is one procedured in its one of the contraction of any contraction of any contraction of any contraction of any proceedings to displict in the higher state in the state in of any proceedings arising duried of this definition with the Stock to the giving of any relief of the head of any process of the English Starts in contriction with such proceedings influently, which entered the making, which the making, which the making, which the mention of the support of

#### permitted by law. USE OF PROCEEDS

The net proceeds to be received by Malaysia fight the issue of the Stock was be credited to an account of Bank Negara Malaysia (the Central Bank of Malaysia) on behalf of Malaysia; Sach fields will be used for development purposes under the Development Funds Act, 1986.

#### STOCK EXCHANGE BEALING

The Stuck in both registered and bears forms will be bear in an the Stack Exchange in London in the Git-edged market. The Stock will neithfully be traded for settlement and delivery on the working day sixet the date of the transaction. Under current market practice, the pixel of the Stock will be

It is expected that dealings on The Stock Exchange will beight 68 Friding, 17 June, 1983 for deterred settlement on Thursday, 23 Julie, 1988.

#### UNITED KINGDOM TAXATION

In the case of interest payable in respect of Régistered Stock, Utilied Kingdom incidite tax if the basic rate (editantly 90 88 cells)) with be decistable from each payment and accounted for to the inland flavorium, attach that, under current law only infinite national practice, daying the will be made grows to persons whose registered decreases are outside the United Kingdom,

- that the payments are made deaptly to an actions, abroad order a branch of a United Kingdom company (McDiant) a built) and
- that the Registrar does not recognise the person as a person in the United Kingdom and ones not recognise that the payment is being made, directly of indirectly, to, or lot the assessment, such a person. encluding a http:// abroad of such & https://

Persons who are not resident for tax purplises in the United Kingdom may apply by sending a claim form A3 to the Inspector of Foreign Dividends for exemption from United Ringdom income tex on interest payable in respect of Registered Stock on grounds of non-residehics.

In the case of interest payable in respect of Baser Bonds through a Payable Agent in the United Klingdom, United Kingdom norms as at the basis rate with be deducted from each payment and accounted for so the loland Nevertilis. unless, under current law and inland Revenue practice:

- evidence is produced that the behinkers owner of the Baider Sonds and Coupons in question is not resident in the United
- payment is made to a bank in this United Kingdom recognised as such by the triand Revenue and such bank cartifies that it is the beneficial owner of the Bearer Bonds and Coupons in question.

Payments of interest in respect of Beerer Bonds through & Paying Agent curside the United Kingdom will, under battent law and pinctuce, be made free of any United Kingdom withinblaing tax. A stenk in the United Kingdom which, by presenting a Chubon or Beater Band, collects payment of any such interest on behalf of a beneficial owner who does not produce evidence he or it is not resident in the United Ringdom will be abliged to deduct United Kingdom tax lat the basic rath and ecceptive for it to the inland Revenue.

Stockholders who are liable to United Kingdom tax on capital gams should note that the provision in Section 87 of the Capital Gains Tax Act 1979 which exempts from tax capital gains on Gin-etiged securities (as therein defined) held for more than 12 months will not apply to the Stock.

Malaysia is an independent and sovereign retion within the British Commonwealth. It was formed in September 1953 by the felleration of Malays. Sarawak, Sabah and Singepore; in August 1985 Singepore separated from the Federation. Mathysis is a constitutionally elected monarchy; the King (The Yang Di-pertuan Agong) is elected for a five-year term by and from among the heredisery rolers of one of the Steller of West, and the redisering four States. having non-haredisary Governors). Federal legislative power is vested in the Federal Parliament which consists of the King, a Sames (which is appointed by the King and the States) and a Floriae of Riprasonantives (which is elected by universal adult suffrage). Materials is a member of the United Nations, the marrialsolul Monstery Fund and the World Blank.

Malaysia covers an area about 1.4 times that of the United Kingdorts. Peninéular Malaysia (about 40 per sent, of the total ahea) is superuted from Sarawak and Sabah in the north of Borneo island by 400 miles of the South Chine Stet. Maleyant is the norm or correct passes by 400 meas or any countries. Chine Stet. Maleyant is shrutated biliphold that it the equator and has a replical climate. In 1982 the estimated population was 14.2 million. The population is multi-rabial. Maleys and other integerants people comprise about 56 per cent., in the total. Chinese 33 per cent., indian 9 per cent. and others 2 per

The abonding is tountied on agriculture (principally number, pains of end include), or and his militing. Howevall, in recent years the manufacturing sector has grown in importance and in 1982 accountaint for 18 per cent. of GDP at 1970 constant prices. The largest employers are agriculture [33 per cent. of the work force in 1982), mainteferrating [18 per cent.), government services [15 per cent.) and feterobe, instrument and commerce [14 per cent.). The potenting is essentially free enterprise, attribugh the government initiaties and directs econories development by way of free-year plans. This government towns and operates certain basic facilities such as title failboay system and this telecommunications system and participates in pirrain other account

Militysis is it ribt exporter of oil (1982 suports M97,578 million, intports M\$1,483 million): his estimative proven reserves are 2.3 billion\* Darrels and current production is at the rate of 131 million barrels per year. Over one-third by oil deports are made to Japan. Spirificant amounts of netural gas have been discovered and reserves are estimated to be 39 thousand billion\* cubic feet; signments to Japan of liquified natural gas B.NG) commenced in January 1983. Deposits of coking cost have recently been found in Serswell and reserves are estimated to be 400 million tonnes.

Griss lespoins ticliounited for 48.4 per cars, of GMP in 1982. The most important export markets are Singapore, Japan, USA sind till tillionarillands. The most important suppliers of imports are Japan, USA and Singapore.

GDP graw by 4.6 per cett, in 1982 (1981: 6.7 per cent.) and GNP by 4.0 per cent. (1981: 7.5 per telent.). The slower rate of growth reflected week termend for primitive commodifies as a risk if of the prolonged recession in the instor industrial countries. In 1982 experts with stugger research in major industrial countries. In 1982 experts with stugger but imparts remained buoyant, perbusianly of machinery and transport equipment. Consequently the 1982 merchandise balance showed a deficit of M\$1,432 million, the first substantial deficit on record. The services account is estimated to show a defect of M\$6.280 million in 1982, representing malely estimated to show a deficit of MSG.280 malion in 1982, representing mainly traight, instraints, interest and dividence. The carriers account of the Salarce of Payments showed a deficit of MS7,825 million (1981: MS5,477 million), in 1982 the capital account bilarce showed a substantial scripus of MS7,838 fillular (1981: MS5,848 million) reflecting larger actions of bilitatil long-term behindrings and corporate timestment capital and the overall balance of Payments showed a deficit of MS614 million (1981: MS1,083

In Discelliber 1982 nist insertiational resistance hald at the Central Bank were MS9,332 faultib 1(981; MS9,79% million). This Government incomages foreign citation investment in a hydres of cheating brightlymism, introducing modern technicity and extracting intragerist expenses. Malaysta's birchienge control system is liberal and non-decriminatory.

In 1982 the Collecties Poice indestricteleded by 5.5 per cent. (1981: 9.6 per cent.) alld the rise of increase is presently 4.3 per cent. per denuit. Unemployment is presently 8.2 per cent. of the workforce (1981: 5.7 per

THE FEderal Governmenthis actioned surpluses in the domestic current account is also expected to highlight a surplus at the dominatic current account is also expected to highligh a surplus setumated at M\$1,424 million. With development expenditure and net landing to State Governments and public corporations but lightlite at hr\$9.900 frigidin, the overall delicit for 1983 is expected to be reducible to M\$8.476 million corrigated with M\$10,185 million in 1982. The leffelt is lupacitats to be finaliced by domestic and foreign borrowing.

The total direct tiebit of the Paderal Government at 31 December, 1982 was M\$41,547 million (£11,051 million), of which M\$28,460 million (£7,570 millidhi vias domestic debt and the educatent of M\$13,087 million (£3,481 million) was external funded debt. At 31 December, 1982, the Federal Government had gusrishteid bir governmental agencies MS1,038 million (£276 million) of dörnestic debt and the equivalent of MS3,705 million (£986 million) of external debt: The external debt service payments of the Federal Government, consisting of principal anti interest, is estimated to have totaled M\$1,515 militor in 1982, a sum actist to 4.5 per cent. of earnings from the export of goods and services [1981; 2.6 per cent.].

Milishial has always paid when due the full currency face amount of principal, interest and amorbation or anking fund requirements of its indebtedness in societies with title times of such indebtedness.

#### CENERAL SECTION

Under strilling Africaightimailes
By an Underwitting Africaightimailes
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By an Underwitting Africaightine detect 13 Jurie, 1983, Morgan Granfail & Co.
Limited, County Sank Liffifield, Reinaudie; Shrison Limited, Libyds Bank
Intermediate Limited, Strintel Montage & Co. Limited, Strinter Charteria
Sons Limited: J. Henry Schrößer Wiege & Co. Limited, Strinter Charteria
Morchant Bank Limited and S. G. Warburg & Eo. L. v. (1916 "Underwitters")
Iniver. agrecid with Mistopale to underwite die beseit of in Stock and the
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No person is authorisaid so gible ainy interfraction at so make any reprincipation Sid in this Prosipectule; and any autorination or representation not contained herein must not be relied upon as having been authorised by Mateyau. This Prospector does not constitute an offer of, or an intelligion to substitute for, the Strict in any jurisdiction to any parison to whom it is untainful to relie such an offer or installigibility such jurisdiction.

Euro-clear Operations Centre and CEDEL S.A. have accepted the Bearer Bonds for clearance under code nos. 1393 (Euro-cliair) and 250177 (CEDEL) Under prissent legeldélifié Stock in both registeret end beerer forms le transferable free from Unitéd Krigition Statiffe Bully.

The Stock is insued by iffe Minister of Filiation of Makeysie on behalf of Makeysie on behalf of Makeysia tinder the EtiGnal Logins Act, 1983 be amended which flathorises the imains of Cartestory purposes,

By an Order of the Minuter of Firmitie much till 14 June, 1983 tateler the Exitent Loans Act, 1963 (as amented), leffect tell been given to the elemptions from Malaysen season and exchange control contained in the telms and conditions of the Social (see "Particulars of the Social -Phyments and Conditions of the Social (see "Particulars of the Social -Phyments and Taxidibni" above). The loan evillenced by the Stock well this be an approved toen for the purities of the Income Tax Act 1987 (as ambitted) of

Such of the Stock as is for the time being held in regissered form will be an livescenent falling within the First Schedule to the Treiste investments Act

Whilen the Stock is listed, such of it as is for the time theirg held in regishered form will be an avestment failing extrain Part I of the Schedale to It'll Building Societies (Authorised this extraints). Cortain arhounds Heiran alle expressed in Malaysian langit freisited so as

MS3,7896 (which was the rate of exchange prevailing on \$1 Décimble, 1982). At 10.00 à.m. on 10 June, 1983, the middle rate believes the rate of exchange prevailing on \$1 Décimble, 1982). At 10.00 à.m. on 10 June, 1983, the middle rate believes the buying and selling spot delivery rates for Malaysian ringgit quoted on the London foreign exchange market was £1 = M\$ 3.6750.

Copies of the following documents will be available-for inspection at the offices of Sleughter and May, 35 Basinghall Sereet, London EC2V 5DB during normal business hours until 28 June, 1983:—

- (ii) the Underwriting Agreement referred to above;
  (ii) chafts, subject to modification, of the Deed Poli referred to above fincluding the texts of a Stock Certificate and a Bearer Boardi:
- (iii) the External Loans Act, 1963 (as amended) of Malaysus; and (iv) the above-mentioned Order of the Minister of Finance.

- Morgan Granfell & Co. Limited 23 Great Westhester Street, London EC2P 2AX Medional Westminster Bank PLC
- New Issues Department, P.O. Sox 79, Drapers Gardene, 12 Throgmerton Avenue, London EC2P 280

\* Dallings = Statement relittion

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#### 206 Picandilly, London W1A 20G ED Carryo Server, Edwards ISO XCC 14 Bythemout Square, Gazgow GZ 4AD

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APPLICATION FORM the application life was open at 10.00 National Washinistic Blink PLC, New	is.m. on Thursday, 16 June, 1983 and wi	Il close later the same day. This form must be Gardene, 12 Throgmorton Avenue, London	e lodged with EC27 280.
Payable as folidws: On applic	£50,000,000 LOAN STOCK 19 ation £30 per cent. of the nominal ore 21 September, 1983 the balar	amount.	FOR OFFICE USE ONLY
of Stock adulted for or any less amount to the latins of the said Prospectus.	plectus desed 14 June, 1983, I/we apply a hist may be allotted in respect of this applican	below. I/We undertake to accept the amount ion and to pay for the same in conformity with	2 Amount of Stock accepted
Marinural amount of the Stock	Amount enclosed at £30 per cent. of the nominal amount applied for		3. Amount received
£	£		2
Note: Applications intent to for a min of Stock: Amount of Stock applied for £100 - £2,000 £2,000 - £20,000			4. Tempur payable on Stock accepted
London or Scottish Clearing Houses or members of those Clearing Houses made	which has arranged for its cheques to be o	nds of a bank which is either a member of the leared through the facilities provided for the C" and crossed "Melaysia Loan" representing	5 Amountretunud C

pāymant at the rate of £30 per cent, for the above mentioned nominal amount of Stock. I/We agree that this application shall be interocable, I/We understand that the completion and delivery of this Application Form accompanied by my/our chaque constitutes a representation that the same will be holicated on first presentation. I/We hereby engage to pay the balance payable on the Stock by 21 September, 1983 on any allotment made to me/us in respect of this application and I/we understand that feiture to pay such balance by the due date will render the amount previously paid fable to forfeiture and the allotment fields to cancellation. I/We acknowledge that any allotment letter and (if appropriate) remittance for any application moneys returnable to me/us is (are) hable 18 be hald #868666 be acknowledge that of \$100 per payable of \$100 per payable \$100 per payable

I/We hereby request that any Stock abouted to me/us:

(Delete box A or B as appropriate) Box 8 IFor paragras with a Euro-clear or CEDEL account only Be efficiently by an allowness letter additional to make, and be sent by post of implier risk to make at the first address at the letter. ced by a Global after ELFID-CLEAR A/EINL CEDEL A/c No.

Joint Applicants (if arry):

(2) Usual Signature

(4) Usual Signature.

Name of bank or broker

Address in Adl.

Address in full

in the case of piect applicants all most sign and, in the case of a corpus trust he signed under hand he so sectionized efficial who should receive to

- 1	
	Forenames
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ALTERNATIVE METHOD OF PAYMENT

(This method of payment is available only to recognised Banks or Stockbrokers as described in the Prospectual. We heldly intercedly engage to pay National Westminster Sant P.C. New Issues Department, P.O. Box 79, Drapers Gardens, 12 Throgmorton Avenue, London EC2P 2BD for credit to the account designated "Maleysie Loan" by 10.00 a.m. on Wednesday, 22 June, 1983 the amount in Town Clearing Funds representing payment at the rate of £30 per cent. for the Stock allotted to the person(s) named above in respect of this application. Authorized Semenura

applying any apply son Mind of the contact

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WALL STREET

#### New leaders show faith in recovery

has appeared to be going according to a survey by S&P nowhere in the past six weeks, last week. aild while some investment professionals view this "rolling there are some surprising correction" as a worrying sign newcomers. Seventh on the list of a worbbly friarket, others are coal companies (12.9 per believe it may signal a leader-ship switch to some of the recent winners, expecially the basic industries that did not do coal in the some of the basic industries that did not do coal it the same little while coal coal it the same little while so well in the early stages of the

average has traded in a narrow ducers also were among the top radge between 1,180 and 1,230 15, with gains of between 9 per since the end of April, Last cent and 10 per cent. Friday it closed near the bottom end of that range at 1,196.11. end of that range at 1,196.11. companies with depressed earnings and little high-technology index. fiteahwhile, has been essentially flat. But within some people is that despite recent interest-rate worries, the econ-

things are flying.

Indudtry groups that have moved up during the market's six-week malaise outhumber those than two-to-one. S&P's Monte Gordon, director of five biggest winnners and their research at Dreyfus Corpornion, the big mutual fund

New York (AP-Dow Jones) - cent), electonics instrumensome stock groups are moving tation (17.1 per cent) and furiously within a market that semiconductors (16.1 per cent).

But just below these groups per cent) came 11th, while offshore drillers. Eluminium bull market. offshore drillers, aluminium the Dow Jones industrial companies and crude oil pro-

In this bunch are dozens of

five biggest winnners and their research at Dreyfus Corpor-percentage gains since April 27 ation, the big mutual fund have been toys (43.9 per cent), mitbile homes (22 per cent), was dominated by consumer-compuler services (18.5 per oriented industries

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Granville & Co Limited. (Formerly M. J. H. Nightingale & Co. Limited) 27/28 Lovat Lane, London EC3R 8EB Telephone 01-621 1212 The Over-the-Counter Market

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167	110	Torday & Outliste	112	-	11.4	1.01	5.0	8.6	
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85	64	Walter Alexander	67	-	6.4	9.5	4.8	6.9	
270	214	W. S. Yeates	266	-	17.1	6.4	4.1	8.5	
Prices now available on Prestel, page 48146									

#### **Property** Holding

& Investment Trust PLC

HIGHLIGHTS FROM THE STATEMENT OF THE CHAIRMAN, MR. ARTHUR JOHN, CBE., FCA.

Year to 31st March, 1983

- Net revenue, after taxation, £3,041,000, up £907,000.
- Net income from properties £5.44m. (£4.24m.), including exceptional recovery of £725,000.
- Dividend increase 14.3% to 4.00p. per share, equivalent with tax credit to 5.71p. (5.00p.).
- Dividend cover 1.98 times (1.59).
- 6.7% and net assets per share increase 9.8% at 270p. (246p.). Bracketed ligures reler to 1982.

Annual General Meeting, 11th July 1983.

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#### Lilliput goes for smaller funds

By Baron Phillips Property Correspondent

Another property unit trust is to be launched this month with the specific aim of attracting funds from small pension

Under its apposite name, Nations Conference on Trade Lilliput Property Unit Trust is and Development that the looking for launch capital of United States was sympathetic about £5m. But its chairman, Mr David Pickford, who is also chairman of the highly successful Haslemere Estates, says that the trust will be happy to attract £2.5m in its first issue which closes at the end of June.

The trust has an impressive line-up on its committee of management. It includes representatives from Courts Pension Fund, Baring Brothers, Rowan Investment Managers and the Akroyd and Smithers Pension Fund. The property advisers and managing agents to the trust are Rowe and Pitman Property Services.

Lilliput has a clearly diffined investment strategy, according to Mr Pickford. It is aiming to acquire a portfolio of good quality, small commercial investments with particular emphasis on towns influenced by the M25 orbital motorway now being instructed. The trust believes that there is tremendous scope for rental growth from the impact of the motorway development,

Naturally the size of the trust dictates the amount it can spend on any one single investment. Mr Pickford believes that the trust will be able to spend £1m on single retail or industrial investment. For the moment, office invest-ments will probably fall outside

#### US doubts Unctad strategy

Threat to Dry Sack sherry sales

Mr Kenneth Dam, the President Hosni Mubarak pro-United States Under-Secretary in the Department of Trade, yesterday expressed misgivings about the effectiveness of a global commodity agreement in improving wide swings in prices which have been the major complaint of the developing countries as the United States delayed the ratification of the

Mr Dam assured the United to the problems faced by developing countries heavily dependent on commodity exports. But he also said that the more effective way was to work out arrangements that would provide finance to commodity exporting countries when the prices fell

The belief that a commodity agreement would resolve the expectations he said.

Rumasa business empire in

Spain poses a threat to world-wide sales of Williams and

Humbert's best-selling sherry,

mark Dry Sack has been the

property of a Channel Islands

company, WH Trade Marks, which is controlled by the dispossessed Spanish million-

aire Senor Jose Maria Ruiz-

pany reportedly told the admin-istrators of Williams and

Humbert on May 27 last year to cease using trade mark within

six weeks in Spain and within

The Channel Islands com-

Since 1978 or 1979 the trade

Dry Sack.

posed the establisment of a world develoment bank as well as a Bank of the South whose membership, however, would not be limited to the developing countries alone, envisaging the World Development Bank as a giobal version of similar re-

gional institutions.

He also called for periodic summit meetings between North and South heads of state designed to review economic matters and agree on policies.

The US has come under strong criticism from the developing countries over the position it has taken and moreover, the issue has also divided the industrialized countries. Japan was among the first to ratify the common fund for commodities and several other European countries which have not vet ratified it are expected to do so before the autumn.

Altogether, 51 countries have so far ratified the agreement

A legal battle resulting from four more weeks in the rest of panies are believed to be the nationalization of the huge the world.

group is made up of a number of companies, some of which

have been owned by the Spanish state since last Feb-

another Channel Islands com-pany, ZRM Trade Marks, was

sent to the state-administered Zoilo Ruiz-Mateos bodega in

Jerez, barring further use of the

trade mark Gran Duque de

Alba. This name is used for the

top brandy from the Ruiz-

Mateos family winery which is

Both Channel Islands com-

now state property.

A similar order on behalf of

mary's nationalization.

The Williams and Humbert



Mubarak: call for a new development bank

30 doing so shortly. But without the US support, the minimum total in direct government contribution to it will not be attained and this means that the chances that the fund might begin operation from January

next are extremely thin. Mr Dam, who appeared to Earlier last week, Egypt's with the prospect of yet another have taken some pain to keep

controlled by the man who founded and roled the Rumasa

holding company until it was expropriated, Senor Jose Maria

The Dry Sack brand name

was sold by Williams and Humbert, at that time con-trolled by Rumass, to WH Trade Marks for a reported

100,000 pesetas (£452). The brandy trade mark changed

Dry Sack sales last year

reportedly amounted to about 1.50n pesetas (£6.8m) and represented nearly one-third of

Williams and Humbert's sherry

Ruiz-Mateus.

the options open, said the industrialized countries were now beginning to lead an expansion of the world economy. As inflation plunged industrial production rose and the challenge now was to turn the revival of the North into a global one.

The hopes of developing countries to cope with their debt problems lay in growing open markets. To illustrate the point against concerted criticism that the US was not doing enough to meet the pressing needs of the South, Mr Dam said that two years ago, imports from the developing non-oil producing countries to the US amounted to about \$70,000m and that they were growing at an annual rate of 20 per cent, he

He left no doubt that the US regarded the existing inter-national institutions, the IM-F,the World Bank and other regional banks, as being able to cope effectively with the problems of development.

The contracts under which

Williams and Humbert and the

Ruiz-Mateos bodega used the

trade name each contained clauses which suromatically cancelled the right to utilize

them in the event that Rumasa, its affiliated companies or its

holdings should be confiscated,

exporpriated, embargoed, alien-

ated by obligation or threa-

Sources in Madrid said the

London Law firm of Herbert

and Smith is expected to bring a

counter suit in the High Court of Justice on behalf of the

Spanist state, challenging the validity of the trade mark

#### rescue for Italian TV makers

From John Earle Rome

The Italian Government has approved the formation of a new company between Zanussi, Indesit, and the public sector group Rel, designed to ensure the survival of the country's television manufacturing indus-

try.

The company, as yet unnamed, will be launched with a capital of 60bn lire (£25.2m) divided between Zanussi (43.4 per cent), Indesit (10.8 per cent) and Rel (45.8 per cent). Rel (Ristrutturazione Elettro-

nica) is a government company set up by the Ministry of Industry for rescue operations in the electronics sector.

The same meeting of minis ters which gave the green light to the new television manufac-turing company also approved seven other projects between Rel and smaller private elec-tronics companies.

Besides the 27.5 bu lire (£12.5m) which REL will put up as its share of the new company's capital, the government has also promised another 150 bn lire (£63m) after its recovery programme has been drawn up. Eventually, it is intended that Zanussi and Indesit will buy out REL.

There is also talk of a small minority share being taken by Phillips of Holland, with whom an agreement on collaboration was concluded last month.

The new company is to employ about 1,900 people, leaving about 1,100 in Indesit and Zanussi redundant.

The new television company has yet to receive the formal assent of Zanussi, whose chairman, Signor Lamberto Mazza, has been holding out for a 51 per cent stake. But some reports. suggest that he may leave his post after the next shareholders'

The Zanussi group, which employs nearly 30,000 people in all its sectors, has been going through financial difficulties. It lost 130.2 bn lire (£54.7m) in 1982, while at the end of the year its debts amounted to 670 bu lire (£281.5m).

#### £25m state | Move to boost trade with Latin America

British trade specialists have just completed a study which shows that sales to Latin America were not, as feared, badly affected by the conflict

with Argentina. But they are now seriously concerned that the continent's debt-ridden image is making British exporters shy away in such large numbers as to threaten sales.

"If you extract trade with Argentina, worth £37m, our sales to Latin America rose by 5.5 per cent last year", said Mr Michael Valdes Scott, recentlyappointed chief executive of the Latin American Trade Advisory

"It shows that the Falklands factor was not detrimental to trade elsewhere - and in fact was a fantastic piece of publicity, showing that our machin-

ery works.
"But we used to have 40 per cent of the Latin American market before the war, and the UK share is now down to 1.9 per cent. The market has not vanished, but the competition, notably the Germans, Japanese, French and Italians, have been

A series of seminars has been scheduled by the track advisory group to draw more British

companies into the selling effor in Latin America. The first, chaired by Sir Pete Macadam - but with a high powered line-up that include lirectors from Inchape, Balfou Beatty Engineering and Hawke Siddeley Power Engineering - ibeing staged at Canning House London, on June 28. It will be repeated in Birmingham or September 14 and in Manchest er on October 4.

"The large companies ar already stuck in there, bu medium-sized firms do not dar invest £30,000 in order to sentheir salesmen dashing aroun Latin America", Mr Scott said. But we can, for example, pu

them in touch with agencie which have been going into the market for years and, for a feof about £3,000 plus commission on sales, will work or promotion and distribution o goods over the next 18 months. "It is vital that we should start educating firms now so that when the economic bubble

in Latin America rises again it the early part of 1985, they will be well-placed." He stressed that the recen economic downturn - in at import market worth \$100br two years ago - had not affected

#### 15% of world's merchant shipping fleet is idle

By Michael Bally, Transport Editor

Idle merchant shipping Shipping (GCBS) also records a throughout the world reached sharp rise in tramp rates las 100m deadweight tons for the first time last month, representing 15 per cent of the world

Britain fared worse than average with 21 per cent of its fleet laid up: 40 tankers of 5.3 million tons (29 per cent of Britain's tanker tonnage) and 44 dry cargo ships of 1.37 million tons (10 per cent).

The latest global figures represent a 6 million-ton rise over the previous month, and the 22nd successive month in

the 22nd successive month in which the laid-up total has

risen.
Disclosing this yesterday the General Council of British

month but warns against read ing too much into it.

Britain's proportionate idle
ness compares better with othe leading maritime states than the crude percentage suggest. Libe ria had 21 per cent of her flee laid up last month, Greece 3!

per cent, Norway a massive 4.

per cent, Denmark 33 per cent Sweden 26 per cent, France 18

per cent, Italy 20 per cent, and Spain 12 per cent. The world total comprise 459 tankers totalling 75 million tons, (23 per cent of the total and 1,281 dry cargo ships totalling 26 million tons (seven

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solving problems no matter where they may arise; simply because we're used to dealing with them daily.

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eight financial centres, Eurocurrency lending, trade and project finance and local banking facilities) almost certainly means that you'd benefit substantially from a link with Standard Chartered.

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#### UNITED STATES DISTRICT COURT NORTHERN DISTRICT OF CALIFORNIA

IN RE ITEL SECURITIES LITIGATION THIS DOCUMENT RELATES TO: ALL ACTIONS

Master Pile No. C-79-2168A (RPA) SUMMARY NOTICE OF HEARING ON PROPOSED SETTLEMENT OF CLASS ACTIONS

TO: ALL PERSONS WHO PURCHASED ANY SECURITIES OF ITEL CORPORA-TION DURING THE PERIOD MAY 25, 1977 TO DECEMBER 5, 1979, INCLUSIVE.

YOU ARE HEREBY NOTIFIED Pursuant to Rule 23 of the Federal Rules of Civil recordure and an order of the District Court that a hearing (the "Settlement Hearing") will held on August 18, 1983 at 11:00 a.m. before the United States District Court for the

WILLIAM L. WHITTAKER

Ferguson Industrial Holdings PLC

#### Record sales and pre-tax profits

	FURNISARY	FRESHUARY
	1983	1962
	£000	2000
Sales	119,202	108,061
Trading Profit	4,818	4,145
<b>Employees' Profit Sharing</b>	530	398
Profit before Taxation	3,820	3,423
Earnings per Share	14.3p	11.3p
Dividend per Share	5.7p	5.7p
Net Assets per Share	980	90p

Comments by the Chairman, Denis Vernon \* The achievement of record sales

and profits was largely due to our two main divisions, Building Supplies and Printing and Packaging.

\* A final dividend of 3,5p per share. on the enlarged share capital is recommended, making a maintained total payment of 5.7p

\* Capital expenditure on new equipment in Printing and Packaging exceeded £2,750,000. Despite the disruption to production caused by the introduction of the new equipment. the return on the increased capital employed was maintained at 25 per cent. The new trading year has started

well, particularly in our two main

For a copy of our latest accounts, please contact F.I.H. (Dept. T ),

Appleby Castle, Cumbria CATE SXH.

Telephone: Applaby (0930) 51402 Ferguson Industrial Holdings

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The Americans again came to the rescue of the London stock market yesterday just when it looked as though share prices

gamed the most from the latest onslaught from across the offered some interesting bar-

Glazo recovered from early 945p, having been as low as 880p earlier. Beecham was another firm market, adding 8p 373p, while Bowater managed a 

further-gain of 6p to 113p

In oils Britoil had a noneworthy performance, closing
10p higher at 215p - the price at
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540p, BP 14p to 408, Ultramar 17p to 604p and Burmah 4p to As a result of the strong gains, £198m, the FT, index continued to Meanwhile, shares of Trices.

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MARKET REPORT • by Michael Clark

THE TIMES TUESDAY JUNE 14 1983

ACCOUNT DAY: Dealings tieges, June 6. Dealings and, June 17. Contango Day, June 20. Settlement Day, June 27. tives were returned at the

General Election. 

at Smith Brothers, the jobbers, when it was discovered the rights

who sat patiently hoping to record 721.3, desprie Rie Tinta-recoup their losses. Zine, the mining finance group, Also in oils, Shell rose [8p to confirming the market's fears that it was in need of a cash .Yesterday it an

onslaught from across the Atlantic as the combination of a favonce towards 730 — which trul, which had been topoed as a sprice of 1150 when it came to weaker pound and dearer dollar market pundits predicted it possible takeover target for market a few weeks ago.

offered some interesting bar, would reach if the Conserva-RTZ, numbed 120 to 2260.

First National Finance

The scent of lower interest slipped to to 64p. Security Pacific, the Californian Bank rates continued to act as a spur which holds 30 per cent of for Government securities. Home Govett the stockbrokers, where gains of up to £1½, were reported. But profits chapped 25p from most of the longer-dated issues by the close, to leave rises of £1½ on the day.

On the Unissued Securities.

Market, shares of Micro Focus, the group which writes the programmes for micro and mini-computers rallied 7p in 358p-after news that ICFC had sold 826,000 shares at about 330p. ICFC now owns just under 5 per cent of the equity.

day at 20p, after 22p. A recent talked to the group some years newcomer to the USM, Cifer, ago, a spokesman said, but had the computer terminal group, no plans to bid for FNFC or any ended the day unchanged at other British financial institution.

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THE STREET STREET STREET

About 30 per cent of the shares

in CPU Computers will be offered for sale by tender on the USM this week. Last year, the group, which makes and distribmicro computer systems re-ported pre tax profits of £900,000 on sales of £9.6m. This year it should make nearer £1.3m. Brokers to the issue are Grieveson Grant.

Making its transfer from 163 denied that it had any intention quote to the USM, shares of of making a bid, in spite of Nationwide Leisure ended the rumours to the contrary. It

In shipping. Ocean Transport fluctuated amid hopes of a selloff of its controlling interests in its Ear East shipping subsidiary. Sirais Shipping, At one stage the shares hit 134p before closing at 124p, a net gain of 2p on the day. Newspaper shares were also buoyant, reflecting renewed hopes of an autumn flotation of Reuters, the news agency and electronic information service, in which Fleet Street's national newspapers hold an indirect 41 per cent stake. Lord Matthews's Fleet Holdings rose 5p to 89p, while Associated Newspapers closed

5p up at 333p. Fears that Rowntree Mackintosh might be about to raise some cash wiped 4p from the shares at 218p. Last night, there were reports in the market that the group's brokers Cazenove had completed a large vendor placing to finance a deal.

John Brown yesterday confirmed the report in The Tinux that it was in talks with Hawker Siddeley by adding 3p to 29p, after 30p. The talks centre on Brown's gas turbine division. John Brown Engineering, be-lieved to be valued at between £30m and £50m.

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West

A quiet-spoken contender for the top Fed job

#### High-priced economist who is a short-priced favourite

New York (NYT) - For a man who likes to talk in terms of probabilities and likelihoods. Mr Alan Greenspan is remarkably reticent about the odds of his succeeding Mr Paul Volcker as chairman of the US Federal Reserve Board,

"I would very much like to see him continue in the job, because I think he's doing very well." Mr Greenspan says, "As to whether I would do it if he is not reappointed. I frankly haven't confronted the ques-

It is the areas he has confronted, from the recent reform of the social security system to his three-year stint as chairman of the Council of Economic Advisers under President Ford, that have made the business of being Alan Greenspan such a successful one.

He has been in the right place at the right time. A consistently conservative economist in an cra when the prevailing economic and political winds were shifting from left of centre to somewhat right of centre,

Of all the Republican cconomists since President Nixon took over, Alan was the only one, along with Arthur Burns, who combined in-depth knowledge of the economy with conservative values," says Mr Otto Eckstein, a member of the President's Council of Economic Advisors during the Johnson Administration, and now chairman of Data Rosources. Alan has managed to avoid all the way-out positions. He's not a simple-minded stock in the privately held firm, supply-sider. He's not a simple- will not discuss either its minded monetarist, he's an all-round conservative economist." nearly 200 clients from among of America's leading and most and

June 1, 1983

the day's social issu The bespectacled, soft-spoken economist is almost everybody's first choice for the Fed job should Mr Volcker step aside. The only question is whether he is the president's

choice, too.

Those who know him say they thing he would take the job if asked, although several thought it would be hard for him to leave Townsend-Greenspan, the ecnomic consulting firm he and the late Mr William

Although Greenspan, who holds the vast majority of the nearly 200 clients from among Mr Greenspan is 57 and one the largest financial institutions sought-after economists. He can nation

often be found on television or Though he's looking for new, in Washington or in the most larger quarters, Mr Greenspan

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To the Holders of

Government of New Zealand

Twenty Year 53/4 % Bonds due July 1, 1985

NOTICE IS HEREBY GIVEN that, pursuant to the provisions of the Bonds of the above-described issue, Morgan Guaranty Trust Company of New York, as Fiscal Agent, has drawn by lot for redemption on July 1, 1983 at 100% of the principal amount thereof through operation of the Sinking Fund, \$1,028,000 principal amount of said Twenty Year 5 1/2. Bonds due July 1, 1985 bearing the following

OUTSTANDING COUPON BONDS OF \$1,000 EACH BEARING NUMBERS ENDING IN ANY OF THE FOLLOWING TWO DIGITS:

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From and siter July 1, 1983 interest shall cease to accrue on the Bonds, or portions thereof, herein designated for redemption.

GOVERNMENT OF NEW ZEALAND

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production will grow over the next decade.

GREENSPAN: Work is central to his life

powerful of corporate board- says he is most comfortable not rooms offering his views on on television or at fashionable run to \$2,000 - a speech for economic affairs, politics and dinner parties, but at work in non-clients \$10,000. ing the tip of Manhattan and New York harbour.

Work is so central to his life that little else, except perhaps baroque music, seems to engage him. He is delibarately understated, and although his candour and calm give him a distinct charm, even his friends say he is somewhat lacking in style, charisma, and sense of

humour.
"He's honest and decent and just about the brightest guy I've ever met," says Robert Kavesh, a New York University economics professor who met Mr students in the late 1940s, and has been a friend since, "He's not given to strong emotions. I don't think I've ever seen him get really angry. I consider him a very good friend but some-times you just want to say, 'Damn it, Alan, tell me a dirty

range from as low as \$15,000 a to more than \$200,000. Clients paying the lower fees never see Mr Greenspan, but get a steady stream of mailings, rife with data and charts predicting for example, how much will be spent on flowers, seed and potted plants next year, what the prime rate will be in the third quarter of 1983, and how fast the nation's motor car

For higher fees, his clients can but into a wide array of computerized services, data banks and consultations with the senior economists - een Mr Greenspan himself. His time is the firm's most scarce resource and, as a consequence, a high-

Client lunches with him can

The firms own forecasts an based on an econometric model which clients can buy computer access through Econallyst, Townsend-Greenspan's venture with ADP Net work Services, a division of Automated Data Processing, the New Jersey-based company run until last year by Mr Frank Lautenberg, a senator Mr Greenspan is on the board at ADP, Alcon, Mobli, Morgan

Guarranty and General Foods. He was in the economic forecasting business before the computers came along and those who have worked with him say he has an uncanny crasp of the numbers and the often-subtle relations between

"Alan is an astonishingly canable mathemetician," says Mr David Monro, who for Greenspan at the Council of conomic Advisers and now, as in economist at General pan client." He can lay out complicated algebraic schemes in his head. He got his feet on when you had to know, what data was produced, who it, and what it

Mr Greenspan first emerged in the Nixon Administration, when he went to Washington as chairman of the Council of former teacher Mr Arthur Burns, then chairman of the suggested him for the job.

What you needed at the CEA was a good business analyse who understood econnow US, ambassador to Germ-

bit uncomfortable as head of the CEA because it took him from

work. Once ensconced in Washington, Mr Greenspan quickly became Mr Gerald Ford's most important economic adviser,

Though he returned to New York six years ago, Mr Greens-pan has remained active in Washington, helping draft an economic agenda speech for the then presidential candidate Mr Ronald Reagan and serving, today, on bodies like the Foreign Intelligence Advisory Board, which counsels the executive branch on intelligence

He is loyal to the Reagan White House, well known to Mr Jim Baker, Mr Ed Meese, and In Baker, Mr En Meese, and Mr Mike Deaver, the presi-dent's top aides, and was therefore a logical candidate to head the commission President Building, UMIST, Manchester June 24 – 26. Reagan established in late 1981 to hammer out a plan for saving

the social security system. It might seem contradictor for Mr Greenspan to take on such a task. After all, he has for decades been a follower of the resolutely free-market, objectiv-ist philosophy outlined by the

writer Aym Rand. Greenspan says he was deeply influenced by Miss Rands commitment to laissezfaire economics, a minimum of government regulation and the view that society would benefit if everyone acted out of rational elfishness rather than altruism.

Despite Mr Greenspan's theoretical convictions, he is mothing if not pragmatic.
"Do I like the present social security system? No," he says "If you asked me whether it would be necessary in the ideal

society, I'd say no. Our type of economy is far removed from where I would like to see it, but you have to be careful about moving from one type of society to another. I am not unaware of the technical problems of transition."

#### Base Lending

Boost for Trilogy's new semiconductor venture

#### Sperry takes a bite of the wafer

Trilogy Systems Corporation, the most ambitious computer start-up so far, has received a psychological and financial THE WEEK Clive Cookson established giants, Sperry.

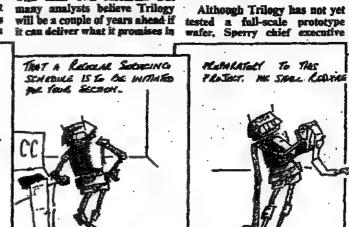
A week after Trilogy unveile \$400m before any products are shipped. That would give it a nology, based on silicon waters containing several million elecclear record as the capitalist tronic components, Sperry said it would pay \$42m for a 15 per world's most expensive new cent equity stake in the ventur Gene and Carl Amdahl, the and an option to use Trilogy famous father-and-son team of

The Sperry deal and the Trilogy with the intention of enthusiastic response to Tril-ogy's novel "water scale inteproducing the fastest IBM-compatible computers on the gration" have allayed remours market. Their first machine is earlier this year that the expected to offer 32 million instructions per second (mips) for about \$4m - at least twice as difficulties. It is true, however, many mips per dellar as today's best IIIM maintrumen. that first deliveries of the ultrapowerful Trilogy computers have been put back at least six Of course, Trilogy is racing towards a moving target as IBM and the other mainframe manunoutles (early 1985 is now the likely launch date) and costs are

Trilogy has raised abo likely to reach \$300m or even

YOU ALL ADUSED AND

ng abead of budget.

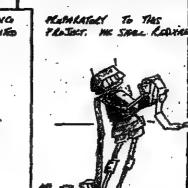


facturers are pushing ahead

with their own research. But

many analysts believe Trilogy

will be a couple of years ahead if



The Amdahis ciaim to have

solved that problem by making

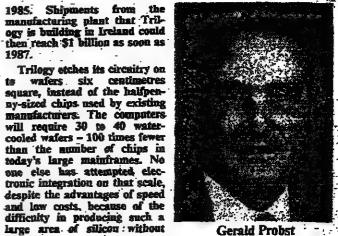
self-repairing. Special diagnos-tic circuits will detect any failure

and divert signals to spare

("redundant") circuits etched on

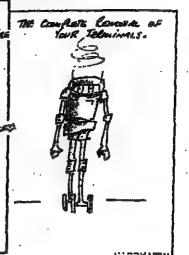
their waters self-diag

to each water.



Gerald Probst has no doubts We believe Trilogy's innovapreakthrough in levels of circuit integration and redundancy that promise the utmost in liability," he said.

If that assessment is correct, Trilogy could make almost as much by licensing its semiconductor technology as by selling



#### Scramble of robotic rodents

Dozens of robotic rodents will be wending their ways through mazes at Earls Court this week, during the UK finals of the micromouse competition - one of the attractions at the four-day Computer Fair which opens on Thursday. The tair, expected to attract more than 50,000 visitor will be open for a business pravie on Thursday morning, it opening to the general public.

There was an encouraging aiming hard at the home/small business market. One of the game, again for the 64, not yet available, enables two players to compete at soccer, even allowing them a choice of shirt colcurs. Using the Sprite graphics to full advantage, it looks like a witurer.

Computer Fair, Earls Court,

Computer Open Day Exhi-bition, Holiday Inn, London,

Fyide Computer Show, Winter Gardens, Blackpool, June 17-

Compec North 83, Belle Vne, Manchester, June 21-23.

Leeds Seftware Fair, John

Taylor Teacher's Centre, Leeds,

BBC Micro User Show, Renold

Dexpo Europe '83, Barbican Centre, London, July 6-8.

Malvera Microcomputer Fair,

Worcs, July 2.

ondon, June 16-19.

**Coming events** 



benefit year. Torch computers have given him a micro and Edmonds, a hands-on numbers work into policy and politics.

But the transition seemed to Middlesex and England fast date records of donations, scores, bowler Phil Edmonds is being fund-raising events, and a diary, helped by a computer in this, his with the help of software provided

Mini-Computer Show for Office, Home, Hobby, Exhi-bition Hall, Cologne, June 23-

International Micro Computer Exhibition, Kuala Lumpur

Office Systems, Auckland, August 16-19

Australian Computer Exhi-altion Melbourne, September

ment & Software Exposition

Moscone Centre, Anaheim, US

September 13-15.

tional Peripheral Equip

Exhibition, August 2-5

13-16.

COMPUTER BRIEFING American technologists have done it again; they valinyaried the afficon chip. No, not the thing used in a million microcomputers, but a version you can eat, it's a variation on that old US favoutia, the

Edmonds: benefit year

Though the chocolate chip water may be short on innova-

Roger Wooknough.

"wafer" may be short on innova-tion, it's long on marketing, mainly of a purning nature. "A stand-alone ensok that's mug-compat-ible", runs the adventising. "Take some ohm to your loved ones - it's

Triumph Adler will be launching their new personal computer in



Strmingham. First glimpaed at the Hanover fair, the micro, with 64K RAM and 32K ROM, is CP/M the use of mini-diskettes, can be expanded to 320K. The makers, who hope to sell at around £350, are aiming at the small office and home usure.

filers at support

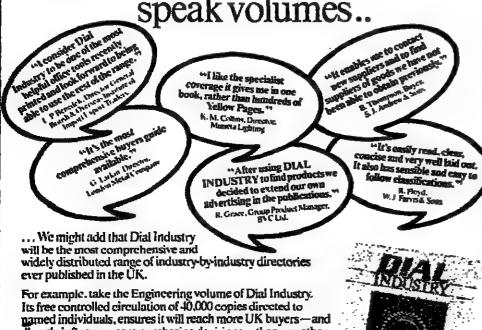
HEALS Y

#### COMPUTER SYSTEMS MANAGER

THE CORPORATION OF TRINITY HOUSE

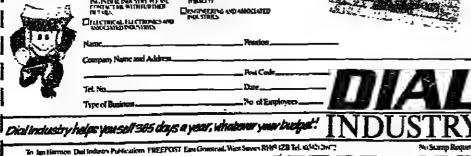
Sainty between 29,416 per annum and \$11,466 per annum including inner London Weighting. Applicants nais or female should have a proven record together with separations of Hewlett Packard equipment. Knowledge of Cobol, Fortran and Pascal assemble. The successful applicant will be besed in London but will be expected to travel to Tribity House installations throughout England and Wales. For further details and application forms apply for the Establishment Officer, Tribity House Lighthoose Service, Tower Hill, Landon Standard Landon Lando

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#### Winter Gardens, Malvern.

Micro Trade '83, Barbican Centre, London, July 6-8. IBM Users' Conference & Exhibition, Wembley Conference Centre, London July 12-14.

Accan User Exhibition, Cumard August 25-28.

#### Computer **Appointments**

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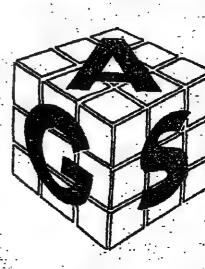
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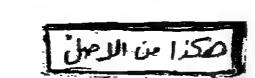
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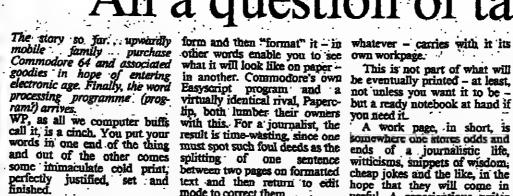
AGS COMPUTERS, INC. Asphalte House, Palace Street





People: David Kelson of Duport

#### All a question of taste



What WP is supposed to do is

relieve the typist of those

myriad dreary tasks which make the job a bore, such as

correcting, typing out carbon copies, and regurgitating identical letters to a string of different people. If like me, you have a athological hatred of greasy

There are also some strong

sections on word processing and

envelope with 33p in stamps. If

Hewson: blood, sweat and tears

Credit account

The tale of my micro experiences has so touched the hearts of the members of the High

of questions to ask a computer enclosing an addressed foolscap

home micro-users. Their appli- we run out of books we shall cations checklists are just what return the stamps.

black carbon paper, then the system is clearly tantamount to being landed in Paradise. Or it should be, since, of course, things are never that simple.

The difficulty is principally one of cost, If you are overburdened with cash and step out to buy a professional word processing system, it will probably set you back at least £3,000 and do all those complex tasks like shifting words around and replacing Smith with Smyth case studies; among others, a host of cartoons from Punch and, in front of your very eyes. With the cheaper models, things are a

if that were not enough, a price tag of £4.95 for those who fail to take advantage of this offer. The main problem lies in the size of the screen. The big brothers of WP can handle a large number of columns tiddlers, in which I include my Applications, please, to Bar-clays Bank Book, Computer Horizons, The Times, 200 Grays Inn Road, London WC1, own dear 64, are more limited.

The result is that most home WP programs, for the 64,

little different.

other words enable you to see own workpage. what it will look like on paper in another. Commodore's own be eventually printed - at least, Easyscript program and a not unless you want it to be -virtually identical rival, Papere- but a ready notebook at hand if lip, both lumber their owners with this. For a journalist, the

result is time-wasting, since one must spot such foul deeds as the splitting of one sentence between two pages on formatted text and then return to edit mode to correct them. This is not quite as annoying as it sounds — I settled into using Easyscript quite happily and had written around 30,000

relatively carefree words on the thing without too much com-plaint. But I still had the sneaking feeling that I had not quite hit the mother lode of what this brave new world was really about - and I was right. The proof came when I

mnoovered a WP program which, unlike Easyscript and Paperclip, had been written specifically for the 64, Vizawrite, produced by a company in Kent For around the same price as its rivals, it offered the magical ingredients which made WP a creative writer's dream. A detailed review of Vizawrite impractical, since the manual for the thing itself is 68 pages long. But I shall try to give a hint of why it is so valuable for my particular work.

For a start, it formats as it goes along, albeit in a rather peculiar way which takes a little getting used to. So what you see is what you print. But what I also like is the thought which has some behind its creation. anyway, insist on forcing Every piece of text - be it writers to insert their text in one newspaper story, credit file or there remain those who prefer

This is not part of what will you need it.

A work page, in short, is somewhere one stores odds and ends of a journalistic life, witticisms, snippets of wisdom, cheap jokes and the like, in the hope that they will come in useful. A conscientious writer would tiptoe to this machine each night and officad the detritus of his mind into one large work page from which to steal the following day when the creative juices are starting to dry up,

There will be some who will bear a lifelong hatred of writing this way'

The impact of features like this, and the conventional uses such as the shifting of words, sentences and paragraphs with infinite ease, have a subtle and almost disconcering effect upon the regular writer. Now it may be that for the copy typist they are simply additional tools for carrying out a specific job. In the case of someone who writes original material on a keyboard, the process is sufficiently close to the real thing to be familiar, but necessarily different in practice to be omewhat difficult to adjust to.

I won't mince words about this. There will be some people who will bear a lifelong hatred

longhand to the typewriter keyboard. It is very much a question of personal taste.

حكدًا من الأحل

For one thing typing is relatively easy compared with the use of a word processor. If I have not made this point sufficiently strongly, then I must re-emphasize it here: WP may, - when · mastered, offer countless benefits to someone in my profession, but its subjugation is a process of unadulterated blood, sweat and

The fact that I can now sit down at my computer and produce finished copy is due to my own dogged bloody-mind edness. Many others may feel that the benefits are not worth the effort, and I would not criticize them for it.

I am now sold on the system because, after much graft, it short-cuts the route between what I am thinking and the appearance of those thoughts in print. It circumvents carbon paper, reams of copies, and gives me an ease of revision which can only be experienced, not described. But I am also acutely aware that my present adulation only started when I found the right WP program for my application - and that took

some effort. If there is one thing I have soon learnt in the marvellous microchip universe, it is that, great as the rewards might be, the path to finding them is strewn with pitfalls. One of the greatest, transferring your per-fect text from a TV screen to a piece of paper, will form the subject of my next article.

David Hewson

int, the new business can move in to a centrally heated, decorated building.

space, and other chip-based companies are interested. In addition, Mr Ashworth

can offer the proximity of major educational establishments such as North London Poly and the City University. The most-recent exercise in

promoting his area is the making of a 30 minute film, Sillicon Green which sets out to tell the story of computing, and the boroughs' involvement in it. He hopes that by showing the film, which is due to be released later this month, the traditional businesses, such as the clothing trade, can see how the use of computers can help them keep their heads above water.

the borough in the ways in which micros could help more iobs can be created for school leavers from the 11 secondary schools in the area.

As for Mr Ashworth's own involvement with computers, he first came across them while making transportation studies with the Colin Buchanan Partnership in the mid-1960s,



#### Ever the optimist

David Kelson has been in-volved with some of British industry's more traumatic experiences.

As an active member of the ICL Computer Users' Association, he was closely concerned with the future of Britain's only mainframe company. As managing director of Duport Computing, he saw a large slice of his business disappear when the steel industry was rationalized.

And with the changing nature of the computer business, Kelson has had to adapt Duport Computing to meet new con-

That he has remained an optimist probably derives from his early background. Born in Rotherham, he emigrated to Rhodesia with his family and completed his education by reading maths at Rhodes University in South Africa.

In 1960 the family returned to Sheffield, where mathema-Already a group involved in ticians were not much in demand. Kelson gained his first experience of the steel industry robotic research have taken up on the shop floor.

Attracted by computers, a few years later he wrote to ICL.
"I said I knew nothing about computers but wanted to become a programmer," Kelson recalls. The timing was lucky: ICL was about to tackle the steel industry, and Kelson's background had an unexpected

By 1966 he was helping to sell iCL computers to steel makers, and was invited to become a consultant to part of the Duport Group. Later he suggested the company should centralize all its computer activities, and was put in charge,

Up to the mid-1970s, 95 per services met the needs of the Duport Group itself. With the rationalization of the steel industry, many of these activities went to British

Steel, and Kelson lost 35 per cent of his business within six

One could see the way the steel industry was going," he says philosophically. Today Dupont's interests include curtain rails, bedding kitchen furniture, and a foundry.
"In 1974," he adds, "only

five per cent of Dupont Computing's work came from outside the group. Today it's 85, per cent. There has been a big marketing effort to become an established part of the comput-ing services industry."

Critical decisions of another. sort have had to be taken by the ICL Computer Users' Associ-ation, of which Kelson is now. chairman. When the computer company hit trouble in 1981, it looked for a time as though it could pass into foreign owner-

ship.
"We wanted ICL to remain." independent. It was amazing the way users united on this. They put forward their view very strongly that ICL should remain ICL. I think we influenced in a small way the decisions that were subsequently made."

Despite this support, Kelson describes the relationship between ICL and the users as "arm's length", and is far from uncritical. "I sometimes wonder whether the product policy hasn't gone too far," he comments. "It worries me that a single company is trying to supply all the requirements of a diverse user base."

At Duport Computing, hough, Kelson has also widened activities, with marked success. Turnover has gone from £1.5m in 1980 to a projected near-£4m this year.
We haven't finished of

diversivication or our growth," he predicts. "In fact, only just started." Roger Woolnough



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#### G5 CONTRO

#### Now look what's turned up in Islington

When the Great Fire of London ravaged the City in 1666, the burnt-out craftsmen rushed to set up their businesses in one of the nearest unaffected neighbouring areas - Clerkenwell and Islington. Now, with the ex-plosion of the computer business, a similar trek is in progress, some 300 years later.
With the decline of the traditional employers in the clothing, furniture, and light engineering industries, their place is being taken by a proliferation of companies nvolved in computers.

Technology Unit of Barciays

Bank that they have kindly sent me a copy of their new book on the micro world and 100 more

copies to be distributed free to

the first readers to ask for them.

Make a success of Micro-

computing in your business is what they call it, though I am bound to say that its helpful list

dealer applies equally to serious

world and 100 more

First impressions are unpromising grey back streets and semi-derelict factories sit side by side with elegant town nouses and stylish squares. If a far cry from the American Silicon Valley and Britain's own centres in Cambridge and the Thames Valley.

However, with the enthusthe borough employment officer, more than 125 companies are now involved in computer-

In a directory (Microelectro-nics and Information Tech-

S MANAGES

MARINE MARKET

Islington employment officer Peter Ashworth at the computer centre in Upper Street

nology in Islington) which his department has just published, the range of companies offering employment varies from those with staff in single figures up to

Plug-compatible printers for most

minicomputers at up to 40% savings

those with payrolls in excess of 100. The council itself is the Super printers at super savings!

> manufacturers, and the usual crop of software houses and word processing firms.

the directory, with the Com-puter Centre in Upper Street,

but a variety of others are listed,

raditional trade in Clerkenwell)

with almost 30 magazines from

four publishing houses, the UK

base of business machine giant Triumph-Adler, hardware

largest single employer listed in unlisted firms in the technology field, and hopes that rather than having to walk the street sniffing out these firms, the such as those specializing in the training of computer operators and programmers, publishing (a to apply for listing.

One of the major attractions that Mr Ashworth can offer is the availability of small, easyaccommodation. One of the earliest of these, the Clerkenwell Workshops, now houses one of the borough's fastest-growing businesses, Elec-

which has doubled its turnover every three months. He finds that new companies, far from wanting prestige, potted palm huxury suries, are happy to settle for space in large, old buildings, split into small, self-contained

The latest of these, an empty factory building, victim of the recession, is now offering 35 units, ranging in price from £18 a week for 70 sq ft, up to £74 for 600 sq feet. There is no longterm commitment, and on Mr Ashworth is certain that tronic Marketing Systems (UK), payment of the first month's

#### and now, with two sons, has to Geoffrey Ellis

# PERPHERALS Slough 77619.

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IBM Displaywrites	1	1	1	1	1	1	1	25L x 80ch	204 - 985k	1	1	×	E4710
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Wordplex 10-2	1	1	1		7	1	1	24L x 80ch	156k	No	7	No	£4495
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#### WORLD CUP CRICKET: PAKISTAN UNBALANCED BY IMRAN INJURY

#### England take a big step nearer final

LORD'S: England (4pts) beat Pakistan by eight wickets, attack was a haphazard affair.

England took another confi
Without Imran they have chosen to bat when they would England's.

have done better to field, Pakistan had a bad day. occurrence on a Monday, selector put it an "awkward" whether at Lord's or anywhere else, and the weather lasted just long enough for the match to be finished. Pakistan's one major misfortune was an injury to lmran, which inhibited his batting and prevented him from taking the field. On yesterday's showing he is more than half

had a multitude of captains. England bowled as well as for a long time. They wasted nothing. Willis was fast, straight, and sometimes fiery.
Full marks to him. They all did
well, in fact. Marks plodded up
from third man, bowled his
disarming off break, and plodded back again. Botham was backed up by some Yesterday, although there was a

TRENT BRIDGE: Australia (4pts)

Australian pride and expectation in the Prudential World Cup were rekindled by forceful stroke play from Travor Chappell against India yesterday. Chappell, in a role as a make shift opening batsman, hit 110 as Australia made 320 for nine. Between weather interruptions India scored 158 II out off 37.5 prets.

Chappell's splendid innings was by far his best for Australia and clearly owed much to the family's

renowed competitive streak. Chap-

fell, whose previous highest score in 16 international one-day garnes was 16, come into the side, as expected, for the injured Wood. The other

team changes made bigger talking points, with Lillee left out by Australia and Gavaskar omitted by

india for the first time for a decade

Lilice bowled poorly at Heading-

ley at the weekend and like Thomson, his famous partner, who was dropped after Australia's first

match last week, cannot have much longer left at this leve. Gavaskar,

like Boycott, finds the one-day game

hard work as the years go by, not

It was a good toss for Hughes to win and on a firm, ture pitch, India's full hand of medium-pace

bowlers soon knew it was going to be hard toil all the way. Kapil Dov

caused Wessels to play on in the third over but Chappell and Hughes quickly established their authority

and the run-rate soon reached four

an over and was higher still later. The Indians did not help themselves by erratic fielding and several wasted charces proved costly.

dent step towards the semi-finals of the Prudential World having to bowl at two left-hand-Cup when they beat Pakistan ers. Gower and Fowler, disconyesterday. They had the better certed Qadir. Even the great of the pitch, there being plenty O'Reilly never much cared for of life in it early on, and made bowling to Paynter and Ley-light work of scoring the 194 land. Pakistan's fielding, too, they needed to win. Having was nothing like as good as

There was a full house, a rare and Sri Lanka. Thay had, as one decision, wanting not to disturb a winning side, yet with three out, caught at the wicket down players - Randall, Jesty and the leg side, hooking at Allott. Pakistan scored 106, enough, if Cowans - in their sqaual of 14 who have still to be given a game. Had England won the toss they would, I think, have put Pakistan in. If so, they would have been justified. It their side. In his absence they had a multitude of captains.

was a good pitch to bowl on, especially before lunch.

After seven overs Pakistan were 28 for no wicket and going well. They must have begun to on the foot, sent for a runner, worry only when Mohsin (he Javed appeared, which must the Lord's Test match a year ago) was quite unable to do as he wanted. England's bowling was backed up by a supposition of have encouraged England. Seeing and wanting two runs to everyone else's one, Javed is a notoriously hazardous partner.

Chappell returns with century

to give Australia new heart

must leave his feet wider apart than anybody else's in the game, aimed an immobile and indeterminate offside stroke and edged the ball into his stamps. Chappell was soon in the full stride with punchy drives and square cuts and nothing on his legs escaped punishment. Hughes was slower to find his touch but gradualy the timing came.

the second wicket pair came to serious error were a number of run-

out scares. Ten minutes before lunch, though, India recouped a little with the capture of two

Madan Lai brought a ball back to Hughes that took the middle stump as the batsman played haif forward. Chappell and Hughes added 144 in 29 overs. In Madan's next over the dangerous Hookes mistimed a drive and was well caught at a con-

and was well caught at extra cover.

Chappell reached 100 out of 189 in the fortieth over before he square

cut a long hop from Amarnath to deep point. He hit 13 fours and faced 131 balls. Border was twice dropped before he was caught at cover and as the light deteriorated

Rapil came back to run through the tail. Yallop played some ahrewdly judged strokes to the end.

Srikkanth launched India's reply with an exciting mixture of drive and pull which brought him five boundaries against Lawson and Hoga as the total reached 38 in six overs. Two wickets then fell at the other end before a brief stoppage for

other end before a brief stoppage

wickets.

took two good wickets, and Dilley who worked up a useful pace, gave nothing away.

By comparison, Pakistan's who was three at the time, Imran's sideways glance as he came in, survived what must have been a perilously close call for leg-before to Cadir's googly, and him the was 22.

By comparison, Pakistan's who was three at the time, Imran's sideways glance as he target for leg-before to Cadir's googly, and he was 22. Dilley. Almost immediately, pavilion together was full of Sarfiaz dropped him Imran's runner ran him out.

In the eleventh over Mohsin, trying to break free, mishooked - he too, was sent back by Willis to mid-on, where Tavare Zaheer - and Sarfraz was well keep Zaheer away from the new ball, Mansoor came in next, which was more than he could England played the same side Allott for successive fours in the that had beaten New Zealand previous over, was caught at the

sort of a chance now, Zaheer, a match of it. Wasim Raja or Imran was going to have to make a score. In the event, neither Imran, who took to the event, neither Imran, who took to the event, neither Imran, who took to the event in the ninth to the event in th 11 overs over seven runs (an indication not least of his own determination), nor Wasim Raja did so.

When Imran, having been hit

In the first over on return

Vengsarker was leg before to MacLeay and then came a 95-minute hold-up for bad light. The match passed beyond India's reach when the players came back at 7 o'clock. Patil was beaten by MacLeavis minute Schlebetten.

Wessels b Kapil Dev
4 Chappell c Sridcanth b American
1 Hughes b Mandan Lal
4 Hooless c Kapil Dev b Maden Lal
1 Yallop not out

t Yaliop not out

I Sordier & Shenne b Binny

W Marsh e Sendhu b Kapil Dev

MacLeay c and b Kapil Dev

Hogan b Kapil Dev

Lawoon c Sridoniin b Kapil Dev

BOWLING: Kapil Day, 19-2-43-5; Sandlu, 19-1-62-0; Birmy, 19-0-69-1; Shapin, 9-0-16-0; Maden La, 19-0-69-2; Pall, 8-0-36-0; American, 4-0-27-1.

i Hogg not out \_\_\_\_\_ baras (b 1, Hb 14, w 8, n-b 2)\_

Currence DS actions 63 legal? FALL OF WICKETS: 1-11, 2-155, 3-159, 4-206, 5-254, 8-277, 7-289, 8-301, 8-307.

Yashpal Sherme c and b MacLeay. "Kapel Dev b Hogan

FALL OF WICKETS: 1-39, 2-43, 3-67, 4-67, 6-64, 6-66, 7-134, 8-136, 9-136, 10-158.

Total (87.5 overs) .

o'clock. Patil was beaten by MacLeay's swing. Srikkanth skied a catch as he hit across Hogan's left and 71, with Binny failing to take a return catch on the first occasion. Then Vengsarkar, on the square leg boundry, misjudged a lofted hook against Patil. Otherwise the nearest the second wicket pair came to serious error were a first occasion.

When Qadir was also run out held a good, tumbling catch. To caught and bowled by Botham, following through, Pakistan were 154 for eight with seven others left. Zaheer, though, was cope with. Javed, having hit by now finding chances to play his own favourite stroke previous over, was caught at the through the covers and wide of vicket off a very good one from mid-on - and once he went Botham which went up the hill. down the pitch to Botham, By lunch, Mudassar was also hitting him over extra cover for If Pakistan were to have any no more, to see that they made

> over, Fowler and Gower added 78 in 22 overs (there was no need to hurry) and then Fowler and Lamb got the rest, with 9.4 overs to spare. Gower, being in prime form, played with case and style until he flicked Mansoor low to short midwiwhere Sarfraz held a diving catch.

Twice, after that, Pakistan



#### finds his

target

BRISTOL: New Zealand (4pts) beat Sri Lanka by five wickets

Sri Lanka by five wickets

Sri Lanka, having batted so engagingly in their first two matches, only just scraped past 200 after having been put in by New Zealand. It never looked like being enough as New Zealand raced to 89 off only 17 overs before losing a wicket, Turner and Wright despatching some friendly bowling with almost paternalistic case. They then lost three wickets for 20, taking it a shade casually, but a dismissive 76 by Howarth, which contained nine fours in his first 50, saw them home fours in his first 50, saw them home with five wickets and 21 overs to

spare.
On a cloudy, blowy morning Sri
Lanka got off to a decent enough
start, reaching 121 for 3 at lunch.
Wettimumy was soon out leg before
to Hadlee, but Karuppu, after his
somewhat frenzied start, out and
flicked Hadlee for two fours in one
over and then took another off
Chatfield. Dias, a neat, compact
little player, produced two lovely
off-drives off Chatfield and 50 came
up in the 17th over. At 56 Karuppu, to in the 17th over. At 56 Knrappa, hastening needlessly, hooked at a ball never short enough from Chatfield, and then, at 73, Diss lost his off stump to the same bowler.

his off stump to the same bowler.

Chatfield, having bowled his 12 overs off the reel for 24, came off and against the burly medium pace of Carras, and the spiderish off-spin of Coney, Sri Lanka prospered. Mendis, in meditarive mood, took most of the bowling but Madogalle, gradually gaining in confidence, was soon keeping pace.

After lunch they set off like uncaged cheetahs. Mendis hit Cairn's first ball for four and Madogalle pulled Cairns for six in

of Cairns for six in the same over. Hadlee, however, was having none of this kind of thing at his expense. Mendis, making room to cut, was bowled and a rew balls later Ranatunga was

De Silva played several pleasant strokes but at 171 pushed fireward outside a good one from Coney. Madugalle reached an increasingly lively 30 but then swang Coney to deep square leg for Snedden to take a fine running catch.

but eventually managed a respect-able total of 251 for nine declared as abus total of 231 for nine occurred as the lower order battmen took full advantage of some wayward and unimpressive bowling. Taylor scored a career-best 47 and the last De Alwis, who must certainly be the biggest and finest figure among Test wicket-keepers, was caught at silly mid-on, after which Hadee four Leicestershire wickets put on 203 before the skipper, Tolchard, polished off the innings. The last five wickers had gone down for 35, taking Sri Lanka's total to 206. Hadles finished with five for 25, declared.

Derbyshire were soon in trouble and both openers were dismissed with only 15 rons on the board. The

Sri Lanks's opening bowlers,
John and de Mel, pitched wretchedly short at 100 gentle a pace.
Wright hit them savagely off the
back foot, while Turner drove and back foot, while Turner drove and cut with equal power. After 10 overs the score was 55. Soon de Silva was on with his straightish leg-spinners, but it was de Mel, returning for a second, spell, who had Wright leg before. Turner off-drove de Silva to reach 50, but scooped the next ball to mid-wicket. Martin Crowe was leg before one run later and 89 leg before one run later and 89 without loss had become 110 for

three.

Howarth, however, had settled in and it was not long before the Sri Lankans were chasing around as desperately as they had done at the start. De Silva was surprisingly taken off and Ranatunga, his replacement, proved much to Howarth's liking. Howarth, scoring largely in boundaries, acquired the third 50 of the day and Sri Lanka began to look understandably forlors. three.

R L D Mends b Hadiee ...
R S Madugalle a Snedder
A Ranatungalle a Snedder
D S de Shat b Coney 13...
tR G de Alwis a Howerth I
A L F de Mei a and b Hadie
O I Belmante ... Total (56.1 overa) ....

FALL OF WICKETS: 1-16, 2-56, 3-73, 4-144, 5-144, 6-171, 7-195, 8-193, 9-199, 8-

NEW ZEALAND
G M Turner c Mendis D de Sinz
I G Wright I-b-w b de Mei
P Howards c Mendis D for Sinz
P Howards c Medicale b Partunyates
D Crowe c de Alwis b de Mai
Crowe I-b-w b John
Consy not out Total (5 wids, 39.2 overs)

Harsee, B L Cairne, M C Snadden and Chatfield, clid not her. FALL OF WICKETS: 1-89, 2-99, 8-110, SOWLING: de Mel, 8-2-30-2; John, 8.2-0-49-1; Remayate, 12-0-60-1; de Sêve, 9-0-39-1; Renatungu, 2-0-22-0. Limpirec: H.D. Bird and T.R. Shepherd.

Group A Table

#### Hadlee Zimbabwe pluck is not enough to cause another upset

Mohsin Khan c Tavaré b Wille Mudasser Nezzr e Gould b Alolt Marson Althra e Gould b Wills. Javed Mandad e Gould b Wills. Javed Mandad e Gould b Bothan Zaheer Abbes not out. Tavala Khan fan out. Washin Raje e Botham b Maries... Abdu Gadh fan out.

riraz Nawez cand b Both Extras (b5, Hb8, w3, n-b8)

G Fowler, not out.
CJ Tavare fow b Rashid.
D I Gower c Sarfraz b Akhit
A J Lamb not out.....

Total (2 wide, 50.4 overst

BIGLAND

WORCESTER: West Indles (4 pts) beat Zimbahwe by eight wickets. The day was dry, but cloudy, I was sorry that the Zimbabweans did not have the chance to see this loveliest of our country grounds in sunshine. I was sorry for them, too, when, after being put in, they had struggled through 33 overs to be 70 for four at hmch.

for four at hunch.

It was not the pitch that was responsible. It was not the atmosphere, for the clouds were too high to cause excessive swing. It was the unaccustomed pace of Roberts and Holding that made the early breaks, and then Pycroft was run out, a fine throw by Richards.

Just before lunch, with Gomes bowling. Heron, who had batted bowing, Heron, who had batted more than 100 minutes for 12, got himself stumped. This was odd, like a clock which chimes 13; not only absurd in itself, but making nonsence of all that had gone before.

final score of 213 for seven was a considerable recovery.

When West Indies went in, the sky was darkening. They lost Haynes early, and then bad light stopped play. Tea was taken early, but nearly half an hour was lost. When they came back, only a couple of overs were possible. They tried again, about half past five, and Richards was soon our.

This was soon our elements. nonsence of all that had gone before.

Houghton had made a steady start, but there had not been much to enthuse the crowd, which about half filled the ground. Worcestershire had made some special proparation, including a baked potato stall, of which we were frequently reminded on the loud-speaker, in thunderous tones. At least it is a better system than they have at Taunton, where you can often not hear it at all. This was rather an alarming position for the West Indies. It was the nineteenth over before the 50 was up. Gomes played and missed several times outside the off stump, but gradually he and Greenidge got on top, and the hundred was reached, fairly confidently, in the twentweighth over.

often not hear it at all.

However, this Zimbabwe team have resiliance and pluck, and the bowling was not strong enough, and though their keenness in the field never diminished, their very zeal **Derbyshire** 

slip to

teenager

Derbyshire, who had begun the day healthily placed, ended it in deep trouble after their batting collapsed against a flery spell of bowling from George Ferris, playing in his first County championship

Leicestershire began at 82 for five

collapse continued as Ferris, an 18-year-old fast-bowler from Antigua ripped into the middle order. At the

LEICESTERSHINE: First innings Ichar c Anderson b Tumicilia.....

LEICESTERSHIME First Innings
I P Butchter o Anderson b Turnicitite...
J C Baldenstone o Mehrer b Turnicitite...
N E Brians b Ottoman...
B F Davison Swe b Turnicititie...
B F Davison Swe b Turnicititie.
T J Boon Swe b Morressen...
TH W Tolchard Swe b Finney...
P B Call c Mehrer b Finney...
P B Call c Mehrer b Finney...
L B Taylor b Micristiaen...
L B Taylor b Micristiaen...
E Ferris not out...

Total (9 witts dec. 79.2 overs)\_

A Hit is Ferrie

J E Morts law b Taylor

K J Barnet b Cair

J J Francy c Tockard b Taylor

K J Barnet b Cair

J Francy c Tockard b Taylor

W F Fowler b Ferrie

CJ Turnicitie c Steele b Cair

IB J M Maher b Ferrie

D G Moir c Cart b Ferrie

D G Moir c Cart b Ferrie

S Oldinam not our

Total (8 wids 33 overs) Adelson to her

ALL OF WICKETS: 1-2, 2-28, 3-28, 4-48, 5-46, 6-123, 7-126, 8-173, 9-248

BOWLING: Mortensen 24-2-722, Turniciti 27-7-77-3, Oldham 16-5-47-2, Finney 9-3-22-2 Moir 3-2-0-7-0

#### debt to Shepherd

DERBY: Derbyshire with two first NORTHAMPTON: Northamptonbeing wickets in hand are 181 runs shire, with nine second innings being Hampshire.

Derbyshire, who had begun the day healthily pieced, ended it in John Shepherd led Gloucester-

John Shepherd led Gioucester-John Shepherd led Gioucester-shire's fight to avoid the follow-on against Northamptonshire with an attacking innings of 69 yesterday, but it was the last-wicket pair of won it by adding the last 11 runs.

Northamptonshire put on 70 in an hour at the start of the day for the loss of their last three wickets, to finish on 371, and then dismissed Gloucester for 224 in their first

MONTHAMPTONSHIPE First Imnings

© Cook at Russell b Bathlardage

W Larkins o Gravency b Childs

P Willey Crissell b Gravensy

R J Boyd Moss the b Gravensy

R G Williams c Stoodt b Childs Capel b Graveney
Stoole at Russal b Graveney
Wild C Shepherd b Childs
Shape at Russal b Graveney
Wild Library

close his figures were four for 23 from 15 overs, and at one stage six Derbyshire wickets fell for only 25 Total (671) Score at 100 overs 207 for 5 FALL OF WICKETS: 1-93, 2-124, 3-128, 4-152, 5-178, 6-277, 7-288, 8-311, 9-388, 10-371. BOMLING: Shepherd, 25-5-58-0; Lewrence, 8-3, 27-0; Sainstury, 12-2-44-0; Balabridge, 6-1-18-1; Graveney 47-4-22-88-6; Childs, 45-13-

Q. Cook, not out \_\_\_\_\_ W. Larkins, c Russell b Shepherd \_\_\_ Total (Twict) GLOUCEKTER H. Stovold, c Cook, b Les H. Stovold, c Cook, b Les C. Broad, low b Willey Bainbridge, c Wild b Steel Hignell, d Sharp b Willey, W. Romaines, b Willey, N. Stophard, low b Willey, To. A. Graveney, c Capet by Willer To. A. Graveney, c Capet by Willer Tr. C. Russell, c Cook by Willerms J. H. Childs, b Williams J. H. Childs, b Williams J. E. Sainsbury, c Capet b Steele. D. V. Lawrance, not out Extres (1-56, w1, nb6)

FALL OF WICKETS: 1-16, 2-55, 3-100, 4-102, 5-165, 6-173, 7-212, 8-212, 9-213.

#### FALL OF WICKETS: 1-6, 2-15, 3-41, 5-54, 8-58, 7-62, 8-98, Bonus points (to date): Laicestarchi Lancashire hopes sink

old TRAFFORD: Lancashire have scored 110 to 2 against Nottingham-in the 15th over four overs less than

Two overs later, Maynard lost his off stump to Saxelby as he pushed forward, and with his departure the score got bogged down. Hayes in introspective mood at the mor as he searches for his touch, could do little to move things along, the second 50 taking twice as long as the

> has an opening battsman's tempera-ment, and once he had been dropped at slip in Hendrick's opening over, he proceeded can-tiously until after limch. He was just beginning to enjoy Hemm when the rain arrived.

afternoon went much better for them. There was an excellent partnership between Houghton and Fletcher. The score had reached a solemn but necessary 50. and then 157, in the fiftieth over, when Houghton was caught at slip. He reached his own 50 in 95 balls.

Fletcher reached his in 45, a capital innings bursting with strokes which kept finding the gaps. He is left-handed with strong yet supple wrists, and of course a player of some stature, who has capitaled his country since 1979, and had English experience in the Lancashire League and with Cambridgeshire. He carried boldly on after Houghton went, and was well supported. The final score of 213 for seven was a considerable recovery.

When West Indies went in the

BOWLING: Roberts 12-4-36-2; Holding 12-2-33-2; Daniel 12-4-21-0; Davie 12-2-34-0; Gernee 8-0-42-1; Füchands 4-1-13-0. WEST INDEED Haynes & Houghton & Rewson ... A Richards I-b-w & Rewson ....

Total (2 wids)

C H Lloyd, 19 J Dulon, N. A. Gornes, W
Cantel, A M S Roberts, M A Hotoling, W
Devie did not bat. FALL OF WICKETS: 1-3,2-23, BOWLING: Rawson, 12-1-39-2, Curran, 10.3-1-37-0; Bukchart, 9-1-49-0; Fleicher, 4-0-22-0; Traicos, 9-0-37-0, Shah, 4-0-23-0.

Umpires: D.C.L. Ityane and J. Birlo Group B Table

### Two of a kind put Surrey in a spin

By Peter Marson THE OVAL: Surrey, with 8 second innings wickets in hand are seven runs behind Middlesex. Splendid spin bowling by Edmonds and Embarey led to

Surrey following on 158 runs behind, yesterday. But, at the second time of asking Surrey countered effectively with Smith (63) and Lynch (59) purting on 128
runs for the third wicket before the

It was bright and sunny in the morning when Clinton and Monkhouse, Saturday's night watchman, walked out with Surrey two for 0 and a long way behind. Pocock's success in a long bowl on the first day when a buff strip not far from the end of the table on the gasholder's side of the ground had yielded three wickets, quite obviously had interested Emburey, the acting captain and Edmonds, and both bowlers were quickly into hunces.

In fact, for the rest of the morning and for a short period after inucheon. Middlesex's performance could have been apily and accurately billed, "the Emburey and Edmonds show". Each caught a catch off the other's bowling and claimed an equal share in eight wickets. With a switch in ends now and again helping heighten the bassmen's apprehension, these two sent down 62 teasing overs.

Surrey were bewildered and, as often as not playing and missing, eight wickets fell in a gradual but inevitable descent for 156 runs.

That left the last three, Thomas, Clarke, and Pocock with the unenviable task of preening the Prince of Wales' ruffled feathers by Prince of Wales' ruffled feathers by hitting off another 67 runs, thereby avoiding the probability of being invited to follow on. In the matter of hits and misses, Monkhouse had been by some distance more successful than the rest.

successful than the rest.

Had there been a suit of shining armour hidden in Surrey's closet, then Knight ought to have saddled up wearing it, for it transpired that he alone possessed the skill and architecture to susse technique to survive. From time to time, however, even the enland captain was beaten,

AUFREY: First innings 3 Monthouse c Emburgy b Edmonds	36
3 S Clinton e Berlow b Edmonds A R Butcher e Tomilies b Edmonds O M Smith e Berlow b Edmonds	14
If O V Kright C Butcher b Embursy	45
C J Richards & Edmonde b Emburey Needham b Briburey	1
Pocock not out	19
ECT 10 10 10 10 10 10 10 10 10 10 10 10 10	18
Total (78.2 overs)	27) 4 -89

FALL OF WICKETS: 1-11, 2-52, 3-55, 4-5 5-63, 5-67, 7-165, 8-186, 9-196, 10-214. BOWLING: Williams, 6-0-19-0; Emburey, 30-5 59-4; Edmonds, 31.2-9-74-4; Huges, 11-3-44-1. Bonus points: Surrey 6, Middle

2. M. Sentin not out	ē
British (b 1, b 4, nb 6)	1
Total (2 wide)	15

#### Gloucester McEwan to rescue

TUNBRIDGE WELLS. Kent, with

Ken McEwan hit his third within two runs of Kent's first innings 287 at Tunbridge Wells

McEwan batted 269 minutes for 142, which included one six and 19 fours. Otherwise Essex struggled against the medium pace of Elding Baptiste, five for 104, and Richard Ellison, who ended up with career-best figures of four for 58 in 28

McEwan figured in half-century stands with Graham Gooch (38) for the third wicket – adding 61 off 21 overs – and with Keith Port (17) for the fourth wicket. They contributed 53 off 21 overs.

Essex, 161 for five in the 60th over, had recovered by the time McEwen was ninth out at 274. Kent in 75 minutes batting before the close, had aboured to 47 without less at 272 minutes.

KENT: Pirat Irelings 267 (M R Senson 72, N R Taxior 64).

Potter not out

#### Glamorgan are held CARDIFF: Warwickshire, with nine first innings wickets in hand, are 80 runs behind Glamorgan

A towering six from the wicket-keeper, Eifion Jones, gave Giamor-gan their second batting bonus point and enabled their captain, Selvey, to declare with the score at 202 for six. Jones's big hit was, however, the one bright spot in a dull day in which Giamorgan had looked uncomforable against an accurate Warwickshire artack.

The one of the booking set the again

The opener, Hopkins, set the pace for the day, taking nearly two and a half hours to reach a top score of 64 in a match that looks certain to end in a draw. By the close Warwick-shire had reached 116 for the loss of Lloyd, with Smith and Amiss each

GLAMORGAN: First laning GLAMORGAN: Fin
A Jones b Hogg
JA Hopkins rus out
DA Francis libe b Okt
R C Omong b Hogg
A L Jones libe b Hogg
J Derrick not out
J G Thomas b Old
IE W Jones not out
Extras (b) 19, w 1, nb 13]

FALL OF WICKETS: 1-8, 2-40, 8-113, 4-186, 5-147, 8-183. BOWLING: Hogg. 20-4-28-8; Old. 23-6-58-2; Smith. 9-1-26-0; Ferreira, 16-6-38-0; Gifford, 8.8-2-31-0. WARWICKSHIRZ: First Innings

Total (1 wist, 34 overs) \_ Bohus points: Giernorgen 2, Warwickshire 2. Umpires: N.T Plews and G.T Spancer.

MOTOR RACING MELWACKEE: Rex Mays 150-mile chample ship: 1, A Under, son, 1 in 17 min 43 sec default; T Sneva disqualified).



MICEWALL COLUMN	
BildFoto Print Innings  G A Gooth C Johnson b Baptiste  B R Hardle C Johnson b Baptiste  K W R Flatcher C Knott B Ellison  K S McEwan c Knott B Baptiste  K R Pont c Knott b Baptiste  K R Pont c Knott b Blaco  N Phillip C Aslett b Ellison  N Phillip C Aslett b Ellison  Turner b Baptiste  10 E East b Baptiste  R E East c Philip b Baptiste  N Foster not out	3 14 14 14 14 14 14 14 14 14 14 14 14 14
D L Acfield b Jarvis Extres (69, vd2, (r-66)	7
Total (93.4 overs)	284
FALL OF WICKETS: 1-31, 2-31, 3-92	4

145, 5-181, 6-191, 7-224, 8-231, 9-274. 10-285 BCM/LING: Jarvis, 27.4-8-86-1; Ellison, 25-13.-58-4: Underwood, 9-4-16-0; Baptisis

#### **Nicholas** misses out

OXFORD: Oxford University lead in Hampshire by 96 runs with all second innings wickets in hand.
David Turner and Terry gave. Hampshire a good start with a 72-run partnership but the later batsmen never got on top of Oxford's gentle attack. Nicholas looked set for another big score at Oxford, but on 45 he mistimed a pull and was caught. On his three pull and was caught. On his three previous visits to Oxford he scored 114 not out for Hamppshire, 14 not out for the MCC before retiring with

n unbeaten 206 for his county.	
OXFORD UNIVERSITY: First innings G P cells c Parks b Malone	99
J T Miller low b Majons G Hesettine c Parks b Tremiet. G Franks b Majons	26 36
T Rawlingon o Perior b Tramiet	21 34 0
I R Cultions law b Scuthern	0 27
H.J Small b Malones  D Turnbull not out  D Patchey c Tremett b Southern	5
Extras (0 4, W Z, nb 5)	20
Total ()	266
LL OF WICKETS: 1-127, 2-134, 3-172 0, 5-230, 6-234, 7-235, 8-238, 9-3 -268,	288,
OWLING: Melone, 24-10-64-4; Emeryt.	92

R C P Elis not out

Total (2 wice) DR Turner o Bills b Carr Total (4 wide dec)

FALL OF WICKETS: 1-72, 2-104, 3-144, 4-1 90WLDtG: Patrilley, 20,1-8-62-0; Small, 10-8-34-0; Turnball, 22-10-40-2; Cart 21-7-59-2



Garth le Roux, Sussex's South African pace bowler, set his side up with a splendid chance of victory by

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aking five for 17 as Somerset were lattled out for 112 in their second Le Roux, aged 27, bowled with Le Roux, aged 27, bowled with temendous fire, particularly in his cond spell, when he took four for rec in six overs. He recieved and support from Tony Pigott, JW Licyts the his Roux.

Cricket and other fixtures

COUNTY CHAMPIONSHIP THE OVAL: SURTEY V MICE

Other match (20/08/2: Oxford Unit

Minor Counties

Depleted Somerset had no answer to this fiery attack. Earlier Somerset had displayed great spirit to dismiss Sussex for 178, three behind their first innings

Manchester/Leeds/Liverpool

FALL OF WICKETS: 1-34, 2-41, 3-50, 4-65, 5-94, 6-99, 7-106, 8-106, 9-111, 10-112

BOWLING: In Roux, 15-7-17-5; Pigett, 10:2-1-22-2; Reeve, 15-3-42-2; Barciay, 9-2-15-1; Walter, 8-5-11-0. G D Mendis c Rose b Devis

A M Green c Dredge b Popplewel

J R T Bardey not out

C M Watts c Devis b Dredge

P W G Parker How b Dredge

A P Wate a Gand b Weson

G S Is Roux How b Palmer Total (62.5 owest)

FALL OF WICKETS: 1-34, 2-48, 3-48, 4-80, 5-67, 8-137, 7-137, 8-147, 9-152 BOWLING: Wilson, 10.5-0-44-2; Dredge 17-7-42-3; Palmer, 14-3-31-2; Popplesed 8-2-91-1; Davis, 11-3-19-1; Lloyds, 2-0-5-0. Bonus points: Sussex 5, Somerset 5. toires: C Cook and R A White.

#### By Peter Ball

When you have lost as much play as Lancashire - 134 hours in all competitions - your mind pos

becomes as soggy as the wickets. For there was little apparent urgency about Lancashire's batting before rain again intervened yesterday.
When play stopped half an hour after lunch they had reached 110 for 2 in 49 overs, a rate of progress which did not hold out much hope of a result in a match already reduced to two days. Cockbain batted soundly, but he

Perhaps they had heard the forecast, but it was still keeper Maynard, promoted to open in place of the injured O'Shanghnessy, soon picked up where he had left off the previous evening's John

#### Orixo can steal the thunder from Dunbeath

By Michael Phillips, Racing Correspondent

only a handful of runners this ately switched back to today's week because coughing has distance over which he won the swept through West Ilsley like Royal Lodge Stakes at Asche the plague. However, he can last September as well as the still draw the first blood at William Hill Futurity at Don-Ascot today by winning the St James's Palace Stakes, the most Doncaster he beat Cook Robin walushle more on the first day of live and live

the Royal meeting.

Orixo, Hern's hope this afternoon, proved that he was hale and hearty at Newbury seven days ago when he romped anything but that on the course. away with the Hermitage Stakes On the other hand Muscatite over a mile, the distance of has finished third in the 2,000. today's race. Every bit as Guineas besides winning the relevant is the fact that Orixo Craven Stakes. In the Guineas recorded a good time at he finished just behind Tolo-Newbury. Although all the meo, who has run indifferently other winners that day clocked in the Derby in the meantime. times that were on good As far as Tolomeo is concerned ground, between three and six that is hardly the best preseconds slower than standard, Orixo was almost par for the course and that was a considerable achievement considering that he was not even threatened throughout the last quarter of a

What also struck me about Orixo was the great zest that he showed. Furthermore, the way that he blew in the unsaddling enclosure afterwards indicated that he could only improve as a result. Last year Orizo hinted that better things were to come when he chased Diesis home in the Middle-Park Stakes at Newmarket in the autumn Now he has the opportunity to make good that point.

With Diesis on the sidelines for the time being, Henry Cecil is relying on Dunbeath, who is out to redeem a reputation that became tarnished at York last month when he trailed in third, a dozen lengths behind Hot Touch, in the Mecca-Dante

insufficient stamina blamed for that poor showing, so, instead of running in the

Tota: Double 3.45, 4.55. Trable 3.5, 4.20, 5.30

[Television (BBC2) 2.30, 3.5, 3.45 and 4.20 reces.]

IN ARRIVE STARLES (GTOUP IN: 216,4

IVANO (C d'Alexelo) H Cocil 4-9-8

NCALCHOLLE (D) (W Du Perzi III) G Price
BALL DANCER - (B) (ED) Li Percel M Sic
MONTENTO (P WINNER) J DUNIO 9-4-8-5

RESOLLENO (C Newton Jun) T Fairharst 4THAT'S BY SON (D) (Copt M Lemos) C I
VALIYAR (D) (C Vanier) H Cacil 4-9-8

WATTLEFIELD (J Greenwin) M Stoum 4-9

ALAWM (F AL-Mackard) Thomson, Jones
BROS LEADER (D) D (Nr) D Weld (IV) 3

TRAVELGUARD (E SHAW) J W Wests S-6-6

5-2 Nosionhole, 6 Repositio, 8 Valver, 18 Icc

2.30 QUEEN ANNE STAKES (Group lit: £15,544: 1m) (11 runners)

7-4 |veno, 5-2 Noslocholiz, 5 Rebolino, 8 Vallyer, 10 from Lucrier, Bell Denoer, 20-1 office

Monatehold: (3-4) with 1½ from Vallyar (net 3(b) with haddles (net 32) and been probably (ne also, home). Ray 14. field Denous (6-4) not in first 9 to Ferricotta (generalization in 12 store) good to sort, May 2. home (9-5) and been 11 to Section Structown (in 22 wise, good to sort, May 2. Vallyar (9-6) and been 27 Angeon th his to Lofty (8-to (711) 5 ras. Special in: 17605 store, beauty, Jann 1. Alesse in his to Lofty (8-to (711) 5 ras. Special in: 17605 store, beauty, Jann 1. Alesse: 123) to Larisonov (net 123) 16 ran York 71 troup, heavy, May 12. Irea Lasser (6-12)

3,5 PRINCE OF WALES'S STAKES (Group II: 222,810: 1m 2f) (11)

\$ Stanstra, 7-2 Hear, 9-2 Erine Hope, 5 Sebre Dense, 7 Fine Sun, 10 Ferioffe, 12 Censon, 15 others.

3.45 ST JAMES'S STAKES PALACE STAKES (3-Y-O: Group It

7-4 Dumbeath, 9-4 Glenstal, 6 Tolomso, 8 Muscades, 16 Drizo, 16 Horage, 20 Cook Robin.
FORSE: Dumbeath (9-5) 3nd beaten 10-1 to Not Touch (evel) 6 ran. York im 21 19yd sites, soft, May 11. (Senstal (9-2) 2nd beaten 10 to Shr Prince John (red 10b) 10 ran. Phoentz Park 6f sites, soft, Apr 2. Horage 5-3) 3nd beaten 10 to Shaesensk (red 20 2 ran. Thirst Im sites, good, Apr 16. Muscades (evel) 4nd beaten 2 15 ran. Newmorket im sites, good, Apr 30. Tolomso (9-0) 9th beaten 19 to Teached 3nd beaten 2 15 ran. Newmorket im sites, good, Apr 30. Tolomso (9-0) 9th beaten 19 to Teached (evel) 21 fan. Deson 11 14 sites, heavy, June 1. Cock Robin (9-2) 9th beaten 19 to Teached (evel) 21 ran. Chardily 1m 11 sites, good. June 5. Orino (8-2) Won 44 from Hungarien Prince (evel) 10 ran. Newbury 1m sites, good, June 8.

112-09 COCK ROBIN (Mrs V Hus-Williams) M Stouts 9-0
1111-29 DIAMERATH (CD) (Shelith Mohammed) H Ceol 9-0
11-2 GLENSTAL (R Sengater) M V C'Erten (re) 9-0
11-14-3 HORAGE (C) (A Recisc) M McCorman 9-0
11-14-15 HORAGE (C) (A Recisc) M McCorman 9-0
11-14-15 HORAGE (C) (A Recisc) M McCorman 9-0
11-14-15 HORAGE (C) (A Recisc) H McCorman 9-0
11-14-15 ORIXO (D) (Mrs A Pleach) W Harth 9-0
12-14-26 TOLOMEO (C G'Alessic) L Current 9-0

4.20 COVENTRY STAKES (2-Y-O: Group II: £21,519: 6f) (15)

COVENTRY STAKES (2-Y-O; Group II: E21,519: 61) (14

131

ANY SUSINESS (D) (New V Lewis) Q Lewis B-11

O11

CAPTAIN SINGLETON IA Ward G Reynood B-11

CHEE SENGER (I Smith) R Streether B-11

123 DERRY REVER P GOULENTIS D Lining B-11

14 DERROTH PRIDE (D) (E Freether) D Nivid (III) B-11

15 DERROTH PRIDE (D) (E Freether) D Nivid (III) B-11

16 DERROTH (D) (C DOCK (III) B-11

17 DERROTH (D) (C Chief) R Freezes B-11

18 DERROTH (D) (C Chief) R Freezes B-11

19 DERROTH (D) (D) SCETE) C Gratal B-11

11 SUPERLATIVE (III) (W Hobson) M Lambert B-11

11 SUPERLATIVE (III) (D) JONGSON) P Killiners B-11

11 SUPERLATIVE (III) (D) JONGSON) P Killiners B-11

12 SYLVAN SARNAM (D) JONGSON) P Killiners B-11

13 SYLVAN SARNAM (D) JONGSON) P Killiners B-11

Thirsk

STATION WITIN MANUFCAP (EZ, 130; 01) (12 TURRERS)
913040 - FARREREN (D CTREMEN) DW Chapman 5-8
913040 - FARREREN (D CTREMEN) DW Chapman 5-8
913040 - FRANCING FORM (D) (THE BROWN) I DEBUTON 4-8-17 (EX)
913040 - FRANCING FORM (D) (THE BROWN) I DEBUTON 4-8-13
913040 - MARSON (DD) (DEBUTON) D TERRETON 6-8-9
913040 - MARSON (DD) (D Chapman) DW Chapman 5-8-8
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2.45 UNDERWOOD STAKES (2-y-o seiling: £1,119: 6f) (16)

3.15 CARR WOOD HANDICAP (3-y-o: £3,298: 1m) (11)

1 012103- LEGIJE STONE (1 Harley) J. Hindley 9-7 2 230-82 ZAMERNDAR (1 H Aga Kiner) M R Stoate 9-5 3 11204-0 MESS REALM (B BROKE) A F STOATE 9-5 2 221-90 CHARLOTTE'S DURGE (CO) (Mrs N Westbrox

15-8 Larged Soured, 8 Royal Question, 9-2 Februsian, 6 Music Hight, 8 Staty's Pet.

7-4 Registes, 11-4 High Reef, 5 Cross Farm Boy, 8 La Martnelle, 19 Soony's Pat, 12 Airedain

Draw advantage: High numbers best.

SELECTICIC frame.

Dick Hern may be down to Derby, Dunbeath was immedivaluable prize on the first day of and Muscatite, two of his

that is hardly the best preparation for a race of this nature.
Glenstal, the challenger from

Ireland and Vincent O'Brien's only runner at the meeting, will ned to be another Lomond if he is to cope with Muscatite and Tolomeo to name just two. My information is that he is not.

Horage won the Coventry Stakes 12 months ago and went on to set a record for prize money won by a two-year-old in England in a season. This year began badly when he bruised a foot at Thirsk in April and trudged in 10 lengths behind Shearwalk. That injury caused him to miss not only the 2,000, but also the equivalent Irish

like his old self on Sunday when he took him to Bath for a gallop on the racecourse there, he still on good ground as he has felt that he could do with another 10 days or a fortnight.

A year ago Horage was I am content to go along with toasted as the most popular Our Dynasty, who impressed



Lester Piggott will be hoping that Ivano, on whom he is seen above, will get him off to flying start in his quest for an eighteenth Royal Ascot jockeys' title

winner of this day when he won winner of this day when he won the Coventry Stakes for his trainer, who had taken the hard way up life's ladder. Now the untaddling area will be charged with similar emotion if Our Dynasty wins for Mick Lambert, because he, too, was an understudy for years before he evenually got the opportunity of a role for himself.

Lambert's training of Our Dynasty this season has been exemplary as his record shows. Yet no one is more aware of the Shearwalk. That injury caused him to miss not only the 2,000, but also the equivalent Irish classic and now the odds must be on this race coming a shade to quickly.

Yesterday his trainer, Matt McCormack, told me that although Horage had looked like his old self on Sunday when pitfalls that lie ahead than his can remain unbeaten provided,

ran. Property Park III effe, heavy, June Beverley States, good, June 11. Captain ath 5f 167yd pits, port, hiey 25.

4.55 RIBBLESDALE STAKES (3-Y-O Fillies: Group II: 224,260: 1m 4f

11-4 Ask The Wird, 4 Malvern Beauty, 5 So Tree, 5 Passy Reel, 12 High Healt, Current Raiser, Key To The Mineral, 16 in Pevour, Cristalign, 27 others.

Price Manuelta (5-7) For beauty if the Fevour, Cristalign, 27 others.

PORSE Adjusts (5-7) For beauty if the Fevour, Cristalign, 27 others.

Posses Adjusts (5-7) For beauty if the Fevour, Cristalign, 27 others.

Posses Adjusts (6-7) For beauty if the Fevour, Cristalign, 27 others.

A Calendar Roiser (3-0) Won 24 from Estre Glen (No. 7b) 10 res. Phoenix Park in 2 sides, 2001, May 3.

Caused Roiser (3-0) Shi beauty 20 to Shi Princess (level) 15 res. Epocos Im 41 sides, 2001, June 4. December (3-0) won 37 from December (3-0) and 1-1 sides, 2001, June 4. December (3-0) won 37 from December (3-1) and 1-1 sides, 2001, June 4. December (3-0) won 37 from December (3-1) and 1-1 sides, 2001, June 4. December (3-0) won 37 from December (3-1) and 1-1 sides, 2001, June (3-1) and 1-1 sides, 2001, June (3-1) and 1-1 sides, 2001, June (3-1) and 1-1 sides (3-1

30-2 IN FAVOUR (E Locar) Pressys 6-7
2104-4 REY TO THE SMISSTREE, E Keesby M Stoude 8-7
4 BALVERN MEAUTY (H J José) H Cacil 8-7
4-19 NORFICH, SPERMARE (Nelse E Righer) J Bethell 8-7
280-280 OCTAVIA GUR. 63 (V Certaerore) D Esworth 8-7
1100-12 OTREE SMISS B Swing G Baiding 6-7
1100-12 THE SMALONIX (Capt M Lesson) C British 8-7
1100-12 THE SMALONIX (Capt M Lesson) C British 8-7

5.30 ASCOT HANDIGAP (28,116:2m 4f) (16)

SELECTION: Phing Officer.

The Wind, 5.30 Viennese Waltz.

30 ASCOT HANDICAP (28,116:2m 41) (16)

114-030 PRINCE OF FRINCES (2014 C Sellent) J Hindby 46-10

114-030 PRINCE OF FRINCES (5.5min) J Dunkop 46-10

115-031 J Dunkop 46-11

105-031 J Dunkop 46-11

106-031 J March Record (5 Hodg) P Process 46-10

107-031 J March Record (5 Hodg) P Process 48-10

108-032 J March S (2014 C Bookey) J W Wasts 48-5

108-039 J March S (2014 C Bookey) J W Wasts 48-5

108-030 J ARLAND S (2014 C Bookey) J W Wasts 48-5

108-030 J ARLAND S (2014 C Bookey) J W Wasts 48-5

108-030 J March S (2014 C Bookey) J W Wasts 48-5

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108-030 J March S (2014 C Bookey) J W Wasts 48-5

108-030 J March S (2014 C Bookey) J W Wasts 48-5

Frontier, 10 Dela Casarr, 12 Vermone West, 16 October, 17 Dela Casarr, 12 Vermone West, 16 October, 17 Dela Casarr, 12 Vermone West, 16 October, 17 Dela Casarr, 17 Dela Casarr, 18 Dela Casar

Ascot selections

By Michael Phillips

2.30 Nosicholic. 3.5 Sabre Dance. 3.45 Orixo. 4.20 Our Dynasty. 4.55 Asi

2.30 Nonicholic. 3.5 Commodore Blake. 3.45 Muscative. 4.20 Novello. 4.55 Malvern Beauty. 5.30 Alpha Omoga.

3.45 BOWNCROFT STAKES (2-y-o maldens: 21,528:51) (18)

CROFT STAKES (2-y-o maldens: 21,528

PLORIDA FALLS (1 Hart C Thornton 9-6

JOSYBAN (Nar P Young W O'Darman 9-0

JOSYBAN (Nar P Young W O'Darman 9-0

JOSHBAN (Nar P Young W O'Darman 9-0

JOHNSHAYEN (\*) Centrol (\*) Research 9-0

STRAP HAURIT (D Copporatio) R Hollandsed 9-0

TOP THAY IS Willing Y Garrier 9-0

CROSSY LOVE (D Report) E Curr 8-11

DOAN'S MOCKET (H Chann) J Electropia 9-11

HICLIAE RYSER (B Barker) W Sentiny 8-11

HICLIAE RYSER (B Barker) W Sentiny 8-11

JOAN POOL (S KING) N Takker 8-11

TALCHYLRE (R Samgister) M W Easterby 8-11

TALCHYLRE (R Samgister) M W Easterby 8-11

JA S Mocket Hills, 9-2 Josephan, 6 Scarp Harry, 8 Florence

2 Suga Stani; 3 Northern Hills, 9-2 Josystes, 6 Scarp Herry, 8 Florida Felle, 10 Stylog

Thirsk selections

4.15 BRICK PONDS HANDICAP (3-y-o: £2,068: 1m 4f) (7)

4.45 FOX COVERT STAKES (4-y-o: 21,588: 1m 4f) (16)

Programme for first day of Royal Ascot

me enormously when he won his last race over six furlongs at Kempton. On that occasion he put paid to Maajid in a matter of seconds. In the meantime Maajid had at least made Superlative work to keep his unbeaten tag at Beverley last Thursday.

In my opinion today's race could come a shade too soon for not only Superlative but also King's Island, who won well at York on Friday. On the other hand Our Dynasty and Gimme Pleasure have both had what purists would regard as ideal preparations for today's trial of

Our Dynasty's connexions are also looking to Fine Sun to carry their hopes, in the Prince of Wales's Stakes, which is arguably the most open race of its type on today's programme.
In going for Sabre Dance I am
aware that my selection finished
behind Stanerra and Erin's
Hope at Sandown recently, but equally conscious that it was his

Henry Cecil, his trainer poses quite a problem by running Valiyar in addition to Ivano for the opening Queen Anne Stakes, with Pigeott on Ivano and Eddery on Valiyar. Just to add to the confusion I shall play safe and go for Noalcoholic, who did at least beat Valiyar in the Lockinge Stakes at Newbury last month.

With none of the English fillies standing out for the Ribblesdale Stakes there must be a good chance that Dermot Weld, who achieved the first of his seven Royal Ascot victories with Nanticious in this race seven years ago, will strike again for that filly's owners, Mr and Mrs Bertram Firestone, This time their representative is Ask the Wind, who accounted for stiff opposition when winning her only race this season at Phoenix Park. By Run the Gantlet and out of a mare by Exbury, Ask the Wind is bred to get today's distance.

BTATE OF GERME Ancore good to firm. Trivet Arm. Toxocroov. Beneriter: Irm.

#### Cumani strikes form at the PORRIE Any Business (9-0) won 61 from Captain Crumpet (rec 20) with System Bassess besters 9,1 10 rgn. Epsom 81 stats, heavy, June 1. Gissma Pleasure (9-0) won 11 from Captain Crumpet (rec 20) won 11 from Captain Basses, 12 fram, Carragh 61 stat, sont, Mar 14. Jeok Tar (9-0) won 21 from Captain General Captain Resident 61 mids sites, good to seek, May 31. Kanswille (9-0) won 21 from Captain General Captain Capt

Bruce Raymond, who brought off a double on Himself and Musical Love at Nottingham yesterday, has only one ride at Royal Ascot today, Farioffa in the Prince of Wales's Stakes for Luca Cumani. The Italian-born Newmarket trainer gave notice that his horses are in form by sending out the last two winners at the midlands meeting. Fai-la Bella and Hoorab Henry, to convoide Willie Carson with a 23-1

right moment

11-2 to 9-4 faveurite in the Long Eaton Stakes and survived a stewards inquiry after getting home by a neck from Tropical Mist. Carson brought Hoorah Henry with a sustained run from time furiouss, a sustained run from three furious, bursting to the front well inside the final furious to snatch victory.

The colt edged left as Tropical Mist fought back and, although finding that Carson's mount had interfered with the runner-up, the stewards decided that it was accidental and did not affect the result. So the placings remained maltered.

maltered.
Parience was rewarded when Fai ia Bella, striking the front a furiong out, ran on to register the first success of her career from Vain Deb and Minshaanshu Amad in the Nottingham Festival Handicap, She could never produce her best form as a two and three-year-old because of respiratory trouble. "But", said Cumani, "she is a well-bred filly, that is why we kept her in training. She was turned out from last Angust until February, and now that she has struck from I hope she can probably win another 1800 before going to

Nottingham results Coolings goods on Print

R Hills 3 14
A McGiorne 5 13
A Neebits 3
W Ryen 7
P D'Aroy
B Curimos 7 14

Al Beacon

Paul Editory 3 M Wood K Hotgeon 3

230 (2.35) PLUMTNER STAKES (2-y-c TOTE: Wir: \$4.90, Places: \$2.90, \$2.50 \$1.50 DF: \$75.70, CSP: \$16.45 W Whenton & Melton Mouletty. 1-j. 1. Young Pretender (16 1-40, 16 rps.

ago gun yourseles states (2-y-c selling 2550: 6) tomoral Love of by Music Messero - Your Love Or C Labracian (8-E. - 8 Paymond 20-1) 3 707E West 2 1.0. Placest 21.10, 21.0, 25.10, DP 24.00, CSP: 26.03, B Hambury at Newmarket 2-1, 2-1, Partako (6-1) 4th. 11 cm. Wener bought in for 4,800 guineau. NAME (SATI) GENTHOPPE INVESTIGAT (C1.552

Been Up E Johnson (25-1) 2 Letti Spring E W Harwine (20-1) 3 TOTE: Whe CS1-20. Places: FA-10. C15-40. 22-40. 211-20. DF: 2230-20. CSF: 2422-94. TRUCAST: ES,750-28. A Harmon at Marborough, Rich Virginia (25-1) 40t. General Wade (4-1 fee). 23 rpn. NR: Briansharouty, Williamsharouty. 6.0 K.11 SELENCHOUGH KANDESF DYG CLASS (m.8)

430 (430) MOTTINGHAM PESTIVAL STAKES (22,061: 1m 2)

(22,001: 1m 2)
FAI LA BELLA biby Fifth Marine- No Massi Astic/Riscis Saul Lis 4-9-2 W. Carson (13-2) Vain Dals. B. Crossley (8-1) Minetearulus Amed A. Barckey (25-1) TOTE: Wer 24.80. Please \$1.80. 22.80. III.10, D2.10, DP: 231.20, CSP. 234.81. Tricase 21,139.87. Cumuni et Novemarinet. 1s., 1s., Reic (6-1 ) it lest ét., Bossoneus Boy (6-1 ) its/, 21 mo. (6-2 ). E.O E.O LUNG BATCH STAKES IS YOU SEEK

TOTE: Wer. 22.00. Pierser: £1.76. £2.00 £1.30. Dr. F15.00. CSP: F15.76. Commit & Howtranter, Nr. II. Pine Ridge(25-1) 440. 22 £10. NF: Down The Line, Piecopot: £180.30. COPICEM. SCRATCHMAR: Die Newton Cup Hendicap Haydoxic: Stave Hamoty. Cora-Enigee Salvas. Serdoren: Errem Neurory. Genard Hohte, Lenhi Gold, Ranapour. Welch Darby Balton Dayactor: Musicialis. Calda Serta.

L Pcz 68 25 559 2 25 528 2 27 518 2512 29 508 31 466 5512 37 403 7 37 403 7 Galliomie Angels Kasses City Mayels Tessas Rengers Oekeard Athletics Oekeard Athletics Oekeard Athletics Seattle Merinars Africances Twine MATIONAL LEAGUE: New York Mate 9, Montreal Expos 1; Atlanta Braves 3, Sen Prancisco Gersta 2: Chicago Cube 6, St Louis Cardinats 3; Chicingan Reds 3, Los Angules Dodgers 1; Philadelphia Phillies 5, Pitaburgh Prates 4 (11 Innings); Houston Astroa 2, San Diago Parines 0. EMITEH DVANCE

American teenager finds place in Wimbledon's top 10

By Rex Bellamy, Tennis Correspondent

Wendy Turnbul

Ivan Lendi, who has won only wo matches in three previous challenges, has been seeded to reach the semi-final round of the men's singles in the Wimbledon chamnships, which start Monday. Jimmy Arias, an American teenager who will be competing for the first time (and is not renowned for his service and volley) has been seeded

حكدًا من الاجل

Arias is seeded higher than Aras is seeded higher than several fast-court specialists, among them Johan Kriek and Tim Mayotte. Kriek has won the last two Australian championships — also played on grass — and in the past two Wimbledons has reached the last eight before yielding to John McEnroe.

The seeds for the women's singles make more sense. Compared with

The seeds for the women's singles make more sense. Compared with the computerised ranking (on which seedings are based theese days) Hana Mandilkova and Sylvia Hanika change places, which is a reasonable reflection of their Wimbledon records. Joanna Durie of Britain who reached the last 16 of Britain, who reached the last 16 of Britain, who reached the last 16 two years ago and has a game that suits grass, has been seeded 13th, four places higher than her ranking.

To make room for her, Zina Garrison has been denied the seeding that would have gone her way had the ranking been duplicated.

In three of the five events, last year's champions have been seeded to retain their titles. The exceptions

leading specialists on the relevant surface. The idea was to give the are the men's and mixed doubles in which the championships must change hands anyway because the successful 1982 partnerships have public the best possible guarantee that the second week of Wimbledon. been broken up.

The seedings suggest that the finals will be as follows: Jimmy for example, would be dominated by the players most likely to show the customers what was what in the way of grass-court expertise.
The computerized Connors v McEnroe, Martina Navratilova v Chris Lloyd, McEnroe and Peter Fleming v

computerized rankings issued by the players association Kevin Curren and Steve Denton, Miss Navratilova and Pamela Shriver v Rosalyn Fairbank and Candy Reynolds, and Denton and Billie Jean King v John Lloyd and have changed all that. Today's system is based on the principle that players should be granted protected seeding places according to their performances — on all surfaces during the preceding 12 months. This is demonstrably fair from the Seedings used to be done on the basis of "horses for courses", which is to say that the players kept apart

#### The seedings

MEN'S SINGLES: 1, J Connors (US); 2, J McEnroe (US); 3, I Lendi (Cz); 4, G Vilas (Arg); 5, M Wilander (Swe); 6, G Mayer (US); 7, J-L Clerc (Arg); J V Gardiells (US); 9, S Denton (US); 10, J Arian (US); 11, J Kriek (US); 12, K Curren (SA); 13, B Gottfried (US); 14, W Examine (US); 16, M Prices (US); 12, K Curren (SA); 13, B Gottried (US);
14, F Samine (US); 15, II Plate (US);
15, T Mayerte (US).
16, T Mayerte (US);
17, II Meverationa (US);
18, I Austin (US);
19, I Austin (US);
19, B Bunge (WG);
10, B J King (US);
11, B Potter (US);
12, V Ruztel (Rom);
13, J Durie (GB);
14, A Temesveri (Hun);
15, I Filmake (US);
14, C Kohde (WG).

#### Experience has youth on the run

Only three of the nine British players who competed yesterday on the first day of the Eastbourne women's championship, sponsored by BMW, have reached the second round, Joanna Durie, Susan Baker, and Virginia Wade, were the sprvivors on a day when experience

Miss Durie, in her first singles match since losing on the semi-finals of the French championships nais of the French championships, defeated her younger compatriot. Kate Bresher, 6-3, 6-1, and now plays Mima Jausovec, of Yugoslavia. Miss Jausovec, was, of course, the obstacle which prevented the British number one from appearing in the women's final in Paris and their meeting today will be a stern their meeting today will be a stern examination of whether Miss Durie has recovered fully from the virus which threstened her withdrawal

"For two days I felt absolutely dredful," Miss Durie said, explaining that she had missed two full days of practice. "Pulling out was something that went through my mind," she added. With Wimbledon less than one week away, however, she could hardly expect to live up to her seeding (she is number 13) without a practice match on

Miss Wade had hoped to attend the meeting of the seedings committee in London yesterday afternoon, but was delayed by her doubles partner, Betsy Nagelsen. The Briton, who is 18 places below the American in the world rankings has developed a sound knowledge of

"We practice together all the time, and I always beat her," Miss Wade said. She forgot to mention wade said. She lorgot to mention that she always wins their matches too: Miss Nagelsen has lost all eight of their tournament meetings. This time, though, the American, who likes to play the drums, found more rhythm than she usually does against Miss Wade. In their closest match, yet, Miss Wade, who is one of only four women to have held the title here in

the championship's eight year history, won 6-3, 6-7, 6-4.



Miss Barker lists to starboard as she returns a stormy service from Sandy Collins. Photograph by Stephen Line

rankings, looked in no trouble against an opponent who is 22 places higher. It is too much to expect another success story for Miss Burker today since she plays Martina Navratilova, the champion here, and top seed.

here, and top seed.
All the leading seeds progressed
without difficulty, but the two
youngest, Kathy Rinaldi (No 9), and
Carling Bassett (No 15), were
beaten. Miss Rinaldi, aged sixteen,
lost 3-6, 7-6, 6-1 to Heather Ludloff,
a fellow American. Miss Bassett's Miss Barker's 6-2, 7-6 victory over Sandy Collins, of the United States, completed the series of British victories over younger women. Miss Barker, the British No 3 and seventieth in the world best of the Netherlands, to defeat the 15 year-old Canadian 6-2, 7-6.

FEET NOVAMD: Segles: 5 Select for 5 Collections, 8-7, 6-8, B Sammonds (M to 1. Bonder (LS), 8-7, 6-0, 8-3; P Cassis (US) for A Holizon (LS), 8-7, 6-0, 8-3; P Cassis (US) for A Holizon (LS), 6-3, 8-6; 8-1; P Hy (Hond) for N Yeergin (US), 6-3, 4-6, 10-8; 5 V Wada-(OB) for B Negotisen (US), 6-3, 5-7, 6-4; J Durier (GB) for K Brasher (GN), 8-3, 6-7, 8-1; J Durier (GB) for K Brasher (GN), 8-3, 6-7, 8-2; M Hollows (Bul) for Cyanher (Frail, US), 6-1, 6-2; W Winds (US) for Thieleps (US), 6-1, 8-4; 6-3; A Leager (US) for C Regrests (US), 6-1, 8-4; C Kindee (WG) for A Regrests (US), 6-1, 8-4; C Kindee (WG) for A Regrests (US), 6-1, 8-4; P V Vermaak (SA) for P Madrang (Gr), 5-7, 6-4; M Naucovec (Tug) for Land (US), 6-3, 6-4; M Recker (North) for C Bessett (Can), 6-2, 7-6; H Marchitovs (G2) for A Brown (GB), 8-2, 6-3; R Regress (GC) for A Brown (GB), 8-2, 7-6; H Marchitovs (G2) for A Brown (GB), 6-2, 7-6; H Marchitovs (G2) for A Brown (GB), 8-2, 8-3; R Regress (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 7-6, 6-1; L Remarrow (Rom) for D Jazzel (GS), 6-4, 8-0.

#### Alexander takes defeat so calmly

round of a British tournament for the second time in a month. At Lee-on-Solent, in the Pernod Inter-national, it was Brent Pirow, the South African. Yesterday, in the West of England Championships at Bristol, it was John Alexander, the much-travelled Australian, who lost 7-5. 6-2 to Tim Wilkison, of the United States,
Alexander is, in fact, so well

travelled that he received defeat with massive equanimity. He felt he had served well, which he had, but

CRICKET

(1962 posisions in brackets)

RASERALL

Glamorgan (10) Somerset (9) Lancastine (10) Yorighine (10) Yorighine (12) Tani (1) Survey (12) Eassex (5) Hampehine (3) Leicosteratine (3) Sureas (1)

Sursex (1) Viddiesex (2)

He was, perhaps, too composed for a supreme performance. The

The holder went out in the first break point in the eleventh game sat in a chair to receive serve and, round of a British tournament for that turned the match was decided perhaps, even when he called his the second time in a month. At Lee-by a mis-hit backhand return of opponent too short after missing a by a mis-hit backhand return or serve which Alexander decided to leave and which gallingly landed smack on the line. Alexander's linesman after being footfaulted were unecessarily offensive and he had been every rally. only expression of emotion he kept them going between every rally allowed himself in the match. kept them going between every rally of the next game until the official allowed himself in the match.

That was more than made up for in the one that followed between Nastase and the teenage Australian, Pat Cash, who was beaten 1-6, 7-5, 6-3, by the 37-year-old Romanian. Nastase clearly thinks he is enlivening a dull match with his manufactured mischief. It was amusing when he comered his head with a towel in the drizzle, when he head to the manufactured with a towel in the drizzle, when he had to the match when he comered his head with a towel in the drizzle, when he

manufactured mischief. It was amusing when he comered his head with a towel in the drizzle, when he Johnstons (Aust) 7-5. 7-8.

kept them going between every rally of the next game until the official departed. A couple of years ago at Bristol, Nastase achieved the removal of several linesmen upon whom he projected his minor frustrations. The ability to do that remains one of the sport's most ridicalously industree trategers.

FOR THE RECORD

NETBALL W L Ptd GB 38 19 .687 1, 37 22 .627 1, 30 29 .608 6, 29 31 .433 10, 27 30 .474 11, 26 33 .441 13 SANSAPORE: World tournament: Group A New Zealand bt Jameica 45-42; England to Canada 88-12; Group B: Australia bt Wales 56-26; Trindad-Tocago bt Scotland 54-19 Antique bt Singapore 53-22. SPEEDWAY POCKING (West Germany)\* World champion-ship final qualifors: E Mueller (WG), H Kroezo (Neth). R Satgaraev (USSR). M Starostin (USSR). Z Haidu Ghul, R Jankowski (Pol), A Dryml (Cz), E Sova (Cz). All Pical Lifacture Bomban Red Son 7, Beltimore Orioles 8; Detroit Tigers 4, Cleveland Indians 1; Detroit Tigers 3, Cleveland Indians 1; Texas Rangers 4, Minnesota Twins 3; Lifacture Entering 5, New York Venteurs 5; Sentile Mariners 8, Kansas City Royals 1; Chicage White Sox 12, Oekland Athletics 1; Toronto Blue Jaya 5, California Angels 5. COLF KINGS ISLAND(Chio): LPGA chemionship: 279: P Sheehan, 68, 71, 74, 66, 281: S Hayne, 70, 69, 67, 75, 283: D Mascey, 68, 74, 71, 72, 284: J Campre, 69, 74, 70, 72; C Johnson 70, 70, 69, 285: P Brackey, 73, 71, 71, 70; V Tabor, 71, 70, 71, 70; 236: D Eggeling, 73, 71, 73, 69, A Miller, 70, 72, 73, 71, A Reinhards, 67, 68, 75, 76. PREMIER DIVISION: London Warters 5, Cobhain Yankess 6; Croydon Bluejays 25, Saust Raggers 1 asst Ratters 1. ECOND CIVISION: Croydon Borough Piretes 1. Boctors Greeneccis 14.

69, 75, 76.

COWGLEN (Glasgow): Scottish professional tournament: 57: F. Rannie (Prestwick, 68: 3 Chilas (Sitring), D. Matthew (Livingston), R. Chilas (Sitring), D. Matthew (Livingston), 69: J. Farmer (Duddingston), S. Torrence (Caledonian Hotel, Ayr), B. Barnes (Ellerstie House Hotel), 71: B. Lawson (Kirnalcy), R. Collinson (Windyhill), B. Marchbank (Glanaggies Hotel), G. Lennie (Clydebank). VACHTING KIEL: European Star championship, first race:

1. K Carlson/H Evermann (SWE); 2. W
Buchan/S Ericleon (US); 3. A Crisse/ M
Marcour (WG). CRICKET

CRICKET
CRICKETER CIP: Second Round: Helleybury
Harmits 265-4 (A. J. Maier 130 n. e), "Radley
Rangers 221-0; Harrow Wanderers 165, "Old
Merchant Taylors 166-9; Old Melvarnians 224-8, "Old Wykehamists 193; "Repton Pligrims
174, Lancing Rovers 88, Rubby Messors 225-8,
"Marfborough Blues 231-3 (C. Worfdge 103); St
Edward's Martyrs 256-8, "Old Cholmeletans
81; "Sherborne Pligrims 168-9, Charterfrouse
Friers 170-3; Shewabury Sarkons 237-7,
"Felstad Robins 224-7 (G. Blanerson 117 n. o.)

SWIMMING ICHARKOV: Women's 100m butterily: E Zastrvakata (USSR), 1 min 02.10 sec (world FOOTBALL

MOTOR RALLYING BCOTTISH RALLY: Leading positions (after 32 stages): 1, S Bermyles/F Cediffact (Swo), Aud. 201.30 pts; 2, J McRael/ Grindrud (Sco), Opel Marca. 204.55; 3, R Brookes/M Broad (68), Vasorial, 207.03

TEANIS

ROCHAMPTON: Winderdon qualitying compations: women's singles: first round: S Golos (Yug) bit K Seddon (SA), 7-6, 6-4, E Minter (Aus) bit S Nicholson (GS), 8-1, 6-4, E Minter (Aus) bit S Nicholson (GS), 8-1, 6-4, E Minter (Aus) bit S Nicholson (GS), 8-1, 6-4, E Minter (Aus) bit S Nicholson (GS), 6-3, 6-2, P Vinytroes (Aus) bit C Berry (GS), 8-2, 7-5; N Sato (Jepan) it M Bladd (US), 7-6, 6-0; S Margood (US) bit M Ge Wouter (Bel), 7-6, 7-5; R Utys (SA) bit M Related (SA), 6-2, 6-0; J Goodine (US) bit C Enguerates (GS), 6-4, 6-4; S Sudvan (GS) bit S Leach (GS), 7-6, 8-3; S Sudvan (GS) bit S Leach (GS), 7-6, 8-3, 5 Sudvan (GS), 6-0, 6-1; M Schaller (US) bit D P Paradis (F1), 3-6, 6-4, 6-1; N Schaller (US) bit J Warrings (Nest), 6-3, 6-4, 6-1; M Schaller (US) bit J Warrings (Nest), 6-3, 6-3, 8 Remiller (Aus) bit K O'Esten (US), 6-3, 6-3; B Remiller (Aus) bit K O'Esten (US), 6-3, 6-4, H Filterfova (CT) bit L Fitzgerald (Aus), 6-3, 6-4; H Filterfova (CT) bit L Fitzgerald (Aus), 6-3, 6-4, 6-2, 6-2, D Feymen (Aus) bit L Gordon (US), 6-2, 6-2, 6-4.

ATHLETICS TAMPERE (Finland): Women's javenn: T. Lillak (Fin), 74.76m (world record).

TENNIS

Draw advantage: high numbers best 2.15 STATION WHIN HANDICAP (E2,155: 6f) (12 runners) RUGBY UNION: IT IS NOT TOO LATE TO BALANCE SERIES

#### Lions must claw their way up to the standard set by Campbell

preparation for the second game against the All Blacks on Saturday, even a Sheriock Holmes in all his glory might feel tempted to hand in his card to the local detective licensing agency. The problems are considerable. After nine matches, there is no firm evidence of a three-quarter thurst of inter-

Heavy victories in the two recent matches against West Coast and Southland, achieved principally by fine spurts of play by the back-row, princely goslkicking by Hare, hungry trysniffing by Carleton and a joyous debut by Melville, misted over the want of true attacking skill.

An observer of poetical cast of mind might be inclined to lament, with fine disregard for metre, in such phrases as "O my Butterfields and my Davies long ago." or even "O my Gibsons and my Dawes of not so long ago."
In terms of the match, the problems are not insuperable. Records amply prove that internationals of modern time

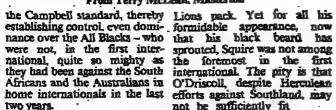
are principally decided by goalkicks - and the Liona have Ollie Campbell.

#### Squire has to drop out

Jeff Squire (right) will definitely miss the British Lion's second international against New Zealand on Saturday. He has torn shoulder muscles, but he will be back in sction for the third international an July 2, He expects to be out for seven to ten days and could be considered for the game against North Auckland on Saturday week,

John O'Driscoll in favourity to be given the job in the international at

emission from the firs international, joins the try squad and is a probable starter for the second international. He should replace either Ackerman or possibly, Irwin, at centre.



There has been a significant one teels entitled to suppose improvement in the senior that in such parts as the pack forward pack. Out of nowhere and the half backs, Campbell Calder has emerged as an and either Laidlaw or Melville, exceptionally fine player. He the Lions will match the All may not be so decisive in the Blacks and that in dependable tackle as Winterbottom. He goalkicking they will be sucould do with a few inches in perior, Hewson being, at best, height. But he reaches the point streakily brilliant. of contact in good time. His But as to the rest, even reactions are cool. He is aware, Sherlock Holmes would feel sooner then most, of the baffled. For reasons unfathom-possibilities of a situation, His able, Woodward's confidence consequential play with the ball appears to have been destroyed

raxton, too, has come on as a the tour, none of whom has No 8 of quite unusual pace and missed a tackle or dropped a as a lineout jumper who goes up pass in 30 - or is it 300? - years, a long way. Colclough, now exclaimed in horror truly fit, Norster and Brown exclaimed in horror truly fit, Norster and Paxton make a formidable lineout And the senior "professional" among the alibiacks, Andy Haden, took no time, after the Kiernan displayer first international to tell his ority nor danger. newspaper public how severe

had been the physical conflict in the game at Christchurch. It may be that the loss The question is whether the through injury of Squire will one can claw their way up to diminish the strength of the

After studying the frailities the Campbell standard, thereby Lions pack. Yet for all his Gibson or a Butterfield, you which plague the British Lions' establishing control even domi- formidable appearance, now gaze upon Ackerman with, not establishing control, even domi- formidable appearance, now gaze upon Ackerman with, not nance over the All Blacks - who that his black beard has the least apprehension. Rutherford has three special

national, quite so mighty as the foremost in the first qualities. He kicks Garryowens they had been against the South international. The pity is that half the height of Ben Nevis. At Africans and the Australians in O'Driscoll, despite Herculean suitable times, he threads a defence with sidesteps - off either foot - the more bewildering because they do not reduce his soced. Is it too late for the Lions to

balance the series? Not at all They have the forwards. They have Campbell, the worst to fear is the wind which blights Wellington but into which, in the second half, the Wallabies last year outplayed the All Blacks by devil and spirit and getting there firstest with the montest That is the real lesson for the

Lions - absolute commital and a minimum of errors. In this game, even the winning of the series. Let us finish with a rousing, hearty, British cheer for this bouncy lad, Melville. With incumbents, he might be the finest English scrum half since

World War II.

New Zealand, who are reputed to have more fine scrum halves than it has sheep cighths position as Mr Scargill there are just 66-million of these to Mrs Thatcher and if you are — would cheer loud and long if it old enough to remember a could find a Melville.



first international. Against Southland, a team of soul and

spirit and insufficient strength, Kiernan displayed neither auth-

Irwin takes as unkindly to the inside-centre or second five-

The fault was not entirely his.

Newlands on July 23 and then an international against the Springboks at Ellis park on July 30.

The NZRU have approved in principle the idea or some All Blacks playing in South Africa this winter, but the chairman Ces Blazey said yesterday that no specific invitations has been received.

Also seems that Willle John McBride, the Lions Manager and admirer of South African Rugby might also be involved in presenting some Lions backs for the two games. Mr McBride Managed side in South Africa last year

er, scored in the 65th minute.

Paris Saint-Germain retained the

NORWEGIAN: Kongsvinger S. Brain 1; Moendalen 2. Lifestroem 2; Rosenborg 2. Bryne 2; Szeri 6, Hercelemerasese 0; Vildeg 3, Sk 1; Vacierangen 4, Moss 2.

POLISHE Logis Warnster B, Lock 1; Kalowice B, Lech Pozzna 1; Szomberid Byton S, Baltyk Göytla 1; Sissk Witcher B. Zagletie Somowice B: Wiktory Lock 7; Cracovia B: Gora Zabra 1; Ber Marie 1; Marie Cocce 2; Ruch Chorzow 1; Poggn Szzaron 2; Devide Warnster

SOVET: CSKA (Moscow) 1, Chemomorata Colessa 2 Dynamo Rev 1, Spartak Moscow 9; Metalist Khartow 1, Dynamo Moscow 9; Jalguins 2, Chaldhar 1; Dynamo Mirak 1, Dregropatrovsk 2; Aranz Erwan 1, Palchalcov Tashkant 2; Torpedo Kutast 1, Zant Leningrati 9; Torpedo Moscow 1, Natru 9.

A week after this series is over leading British lions and All Black players may play for a world XV is expect him to do some talent-spotting the centernary celebrations of laughed and claimed that his task at Western Province. The World XV will play Western Province at Spotting among his lions Side. However he did not deay that he might be invadued.

As the Loins will dishend in London on July 18 they will, in Mr Mcbride's words, pass from his control and be free agents. Any invitations for Lions to play in South Africa would be a matter for the home unions.

So far as New Zealand are concerned the Western Province dates fall neatly between the end of the lions tour and the All Blacks solitary international against Australia on August 20.

#### FOOTBALL: TWO FAMOUS ITALIAN CLUBS MAKE THEIR RETURN

#### pair set up

McGee, the Aberdeen players.
Strachan opened the scoring after 36
minutes with a penalty after
Nicholas had been fouled by the

Canadian goalkeeper, Lettieri.

Migee scored a congroversial goal
in the 78th minute after beating
Bridge, a defender. larusci, the
Canadian captain, complained
bitterly to the referee that McGee
bad fouled Bridge had fouled Bridge. Canada dominated play for most

of the game, only to be frustrated by the brilliant goalkeeping of Thom-son and determined defending by another Aberdeen player. Miller. After the interval Mitchell had After the interval Mitchell had another opportunity to level the scores, but again shot too high from a firee kick. At the other end, Sturrock, of Dundee United, was

unlucky to see his shot headed off the line by Bridge after Lettieri had been caught out of goal. Nicholas, the Celtic forward who is bound for Arsenal, twisted his right knee shortly after Strachan's

goal and was replaced by McGee. Sounces, of Liverpool, come on for Strachan after the interval. The teams meet again on Thursday in Edmonton and next

Sunday in Toronto.

Bobby Robson, the manager, is likely to make changes for tomorrow's second tour match against Australia in Brisbane. against Australia in Brisbane.
Robson, on his arrival in
Brisbane, said he was still upset by
England's performance, in the
goalless first match in Sydney.
We're very upset. We certainly
can't do any worse than we did in Sydney and we know we can do a lot better. We intend scoring a good

Frank Arok the Australian coach again rejected criticism that his team had ruined the match for spectators by playing negative football. The greatest moment in any player's career would be to take the field against a side like England. Our boys did that and held them to a 0-0 draw and still everyone's not satisfied," he said.

#### newly-promoted Lazio Scottish Win Rome (Agencies) - Glorgio Como - all on 45 points - will be Chinaglia, the former Lazio player, is the new owner and president of the Indian League club, who won can canada 2-0 in the opening mane if their three-match series canada 2-1 home win over Perugia in

chinaglia, who has been playing in the North American League for New York Cosmos since 1975, said the takeover of Lazio was a longtime dream of his.

The 36-year-old former inter-

hundreds of enthusiastic Lazio supporters when he flew onto Rome yesterday after finalizing the takeover on behalf of a group of US dealers over the weekend.

Lazio drew 2-2 at Cavesa to finish

runners-up on 46 points to another famous Italian club, AC Milan, who were thrown out of the first division in the wake of the bribes scandal of

three years ago.

AC Milan drew goalless away to finish the season unbeaten at home.

Pistoiese to finish eight points clear of Lazio. A three-way play-off between Cathana, Cremonose and the second consecutive season.

European league results

AUSTRIAN: Vibrat Linz 2, Admira Windox 2: SC Stranging 0. Winner Sportbub 2: SC Cappel 1, Peroncyana 1: Tatabanya 3, Vases Emercand 1, DC Minded 1: Austria Richardun 2: Videoton 0, Honved 3; Pacs 2, Debreon 3; Austria Salzburg 2: Graz AK 0, Rojek Venna 4; Vienna 1, Linz ASK 1; Austria Vienna 4, Stuma Gest 2 Union Vien 2, SM Membruck 2. PRAL LEADING POSITIONS

WEST GERMANE Cup Finals Cologne 1, Fortuna Cologne 0, VLCOSIAV: OFK Belgrade 1, Canada 2, Canada 1, Partican Belgrade 2, Buducinost Titograd 4, Velez Moster 1; Zelezinicar Sereptivo 3, Fillenka C, Dynamo Velvovici 4, Varder Shope 1; Red Star Belgrade 1, Heiduk Spit 2; Radnichi Ne 4, Vojvodina Novi Sad C, Dynamo Zagradi 1, Celek 6; Canada C, Staraga 0,

CZECHOSLOVAK Dutts Pregue 1, Vikorkos 0, Bank Oseava 3, Sparca Prague 2; Bohemians 4, Zvi Zisna 1; Spartat Tranve 1, Lokomoliva Kosce 1; Slovan Bratistica 2, Tetras Prescor 1; Slovan Gorrosk 1, Inter Bratistica 3; Zhrojovica Brito 1, H Cheb 1; Peratica Nitra 2, Stenia Prague 0, DANISN: Broendby 3, Lyngby 2, Aurhus 3, Koldyn 9; Rust 0, 8, 1969 Odensa 1; B 1803 Odensa 1; B 1810 Choma 1; B 1810 Choma 1; B 1810 1, Herning 1, Herning 1, Herning 1, Figure 2; Veje 1, Smershoot 1; Esberg 1, Herning 1.

PRENCIP: Cop rose: rass (Nambalos 2, Pacit (Nambalos 2, Pacit (Parashimatos 2, Larias 1, Panionios 3, Melisdonikos 1, Apolido Atheris 1, Yarnima (), Italias (Nambalos 1, Apolido Atheris 1, Yarnima (), Italias (), Panioni

#### Aberdeen Chinaglia gains control of Bond likely to join Burnley Catania kept their hopes alive with a 2-1 home win over Perugia in a match marred by the killing of one

of their supporters by a security guard, who opened fire with an automatic hunting rifle, injuring several other people. Cremonese drew I-I at Varese while Como woo

Bond at Maine Road, and was sacked after Manchester City were releasted to the second division, is 2-1 at Bari. Cologue, of the first division, won the West German Cup when they defeated local second division rivals. Fortuna Cologne, 1-0. Littbarsid, their fifth minutes.

Paris Saint-Germain retained the French Cup by beating Nantes, the league champions, 3-2 - Grasshoppers, the reigning champions, romped to their nineteenth Swiss League title when they thrashed relegated Winterthur 6-1 to finish the season unbeaten at home. Ism Safter, Crystal Palsoc's reserve tests coach, has left the club to take up a coaching appointment in Denmark. He followed the manager, Alan Muliery, to Crystal Palace from Charlton Athletic last year and was previously at Fulham.

Auton Johnson, the chairman of Rotherham United, confirmed yesterday that he is acting on behalf of a consortium for a takeover of the

angers Dutch

Angers Dutch

Mexico City (Agencies) - Brazil and Argentina have joined Poland and South Korea in the semi-final round of the World Youth Cup.

Brazil beat Czechoslovakia 4-1 in Guadalajara, and Argentina beat the Netherlands 2-1 in Leon. Sout Korea anexpectedly oversume Uruguny 2-1 after extra-time in Monterrey, and Poland beat Scotland 1-0 here. In tomorrow's semi-finals Argentina play Poland and Brazil play South Korea.

When Argentina scored the winner through Gaona just before the end, the English referee, Keith Hackett, appeared to send off three Dutch players as he was jostled and pushed. Details of Mr Hackett's decisions will not emerge until his report is issued.

Poland beat Scotland with a goal by Klemenz in the fifth minute.

today. He returned from North America yesterday, ready to take over the club relegated to the third division hast mouth. John Benson, who took over from

expected to the scould division, is expected to join Bond at Turf Moor. Burnley interviewed five other candidates for the managership, but they have ruled out the acting manager, Frank Casper. He has reverted to senior coach but could lose that job, too, when the new manager is announced.

Ism Salter, Crystal Palace's

of a consortium for a takeover of the third division club, Southend United.

#### **English referee**

Rene Arnoux produced the first clear evidence that he can overcome the hard luck that has plagued him in his first season with Ferrari by driving to an easy win in the Canadism Grand Prix yesterday. In front from start to finish, Arnoux increased his lead throughout the race to finish an overwhelming of extra constitution of Eddieses. out the race to finish an overwhelming 42 seconds ahead of Eddie Cheever, who was second, and 52 seconds up on his Ferrari colleague, Patrick Tamboy, who was third.

This was Arnour's first victory since hady last summer, when he was still with Renault. "This is the win I've been waiting for", he said. "I knew this car would win sooner or later."

or later."

With a calm and measured drive in the sultry 29 degree heat - enough to raise blisters on his tyres after 15 of the 70 laps - Araoux completed the 191.8 mile (308.700km) course in 1hr 48min 31.838sec, at an average speed of 106.1 mph (170.661 kph). Cheever's second

YACHTING: CROWDED NEWPORT, RHODE ISLAND, WAITS FOR THE STARTING CANNON

achieved despite a transmission that continually jumped out of fifth gear

throughout the second half of the race, leaving him with a right hand badly blistered from holding the gear lever in place. gear lever in place.

Keke Rosberg in a Williams was fourth, while Alain Prost drove to a careful fifth place to increase his lead in the world championship standings to 30 points.

smile from Ballesteros, holding the trophy and wearing the victor's red jacket

Ballesteros on target

with master-stroke

Severiano Ballesteros arrived there in high fettle yesterday. His new target is the United States Open golf championship here at Oakmout Country Chub this week and he could hardly have put himself in States Open would provide him better heart than by winning the Westchester Tournament on Sunday. Not was it the more winning.

**MOTOR RACING** 

Arnoux's runaway win

justifies Ferrari faith

Yet Westchester was not one long

From John Hennessy, Golf Correspo

day. Nor was it the mere winning that so lifted his spirits but the manner of it, a hammer thrust at the last hole true to the Ballesteros

He had to fashion two birdies from the last three holes to break clear of Craig Stadler (68 on Sunday) and Andy Bean (67) on 278. A four iron and a past from all of 25 feet subdued the sixteenth (206 yards) so that after a par-four at the seventeenth, Ballesteros stood on the last toe contemplating a birdie from 535 yards. A buge drive nestied in the fairway and Ballesteros, as he later explained, was in between clubs with 228 yards to the pin, for he does not carry a two-from. He prefers a four-wood these days to

pin, for he does not carry a two-fron. He prefers a four-wood these days to help deal with the rough. Since a one-iron would have been too long and too risky were it to go awry he decided to thrash a three-iron and, encouraged by his exhortation to "fly, fly", the ball carried the bunkers, landed on the front of the green and rolled up to four yards.

He now had two putts for the \$81,000 (£52,000) first prize but, being Ballesteros he stroked the putt home to win by two shots. Ballesteros has thus won twice in

successive tournaments in the United States as he has not been this side of the Atlantic since winning

he Masters at Augusta in April.

Skindings to 30 points.

SERULTR: 1, R Arnoux (Pr) Ferrari, 1 br 48 min.

S1.84 sec (108.595 mph); 2, E Chaeser (US)
Renault, 3, P Tember (Pr) Ferrari, 4, K Rouberg
(Pr) Willers; 5, A Prost (Pr) Ferrari, 4, K Rouberg
(Pr) Willers; 5, A Prost (Pr) Ferrari, 6, J
Wilston (GS) McLaren; 7, T Bootsen (Bal)
Arnous; 8, M Alsonas (In) Triving 8, M
Wilsteinoti, (WG); 10, M Batch (In) Alfa Romacy
11, R Patress 00 Brahbaru; 12, D Warwick (GS)
Tolemar; 13, B Glincomelli (Id) Tolemar; 14, N
Marnell (GS) Lobas; 15, A de Centris (I) Alfa
Romeo; 16, J Luffite (Pr) Williams; 17, R Bossel
(IP) Lufer; 18, R Gamero (Co) Theodors; 19,
C Fald (B) Comite; 20, J Centris (I) Alfa
Romeo; 18, J Luffite (Pr) Williams; 17, R Bossel
(IP) Lufer; 18, R Gamero (Co) Theodors; 19,
C Fald (B) Chaese; 20, J Centris (I)
Ludde (Austid) McLeren, 25, E de Angules (I)
Ludde (Austid) McLeren, 26, E de Angules (I)
Ludde (Austid) McLeren, 27, E de Austid (I)
Ludde (Austid) McLeren, 27, E de Austid (I)
Ludde (I)
Ludde

#### Coe's 800m ambitions The prince who is coming to

#### DAVID MILLER

claim his crown

himself mentally at present to the possibility that he may be obliged to uncork his ninth in a 1500 metre race in Paris on Friday week - which would not sholly be a penance, the record belonging as it does to a chap from the south coast.

The reason that Coe's hand may be forced six weeks before may be forced six weeks before the inaugural world champion-ships in Helsinki, which are his and every leading athlete's intended peak of the year, comes in the shape of a 22-year-old Moroccan, Said Aonita, who last week in Florence ran the ninth fastest-ever 1500 time of 3-32.54 and will be in a Paris 3:32.54 and will be in a Paris field including Marce, Boit, Williamson (second to Acuita with 3:34.94), Cook and A.

Student Games champion, has twice been training at altitude in Mexico and achieved his time, 1.2 sec outside Steve Ovett's record of 1980, with a blistering last lap of 54 sec - faster than any last lap in any world record over four laps - following a

As Coe, who had were with sumptions case running from the back of the pack for Loughborough against England on Sonday, observed yesterday: "It could take 3:31-something to win in Paris, because one has to make the assumption that to make the assumption that Aoutte, with the progress of normal training, will have improved marginally over the next two weeks. Yet a race at

mext two weeks. Yet it race at world record pace would not be seriously damaging for me at this stage, bearing in mind that the way one's training is geared, a race is actually easier, it's like having a couple of days off.

"If I need to run at that pace, Yet Westchester was not one and triumphant march against a strong field deficient of only Nicklaus and Watson among the people that matter. Ballesteros opened with ten matter. Beliesteros opened with ten straight pars and then dropped shots on the eleventh and twelfth. The thirteenth threatened to go the same way but he managed to hole a six footer for his par, "the big oue" he enclaimed afterwards. "I told myself if I missed that one it was all over". Not until that two at the sixteenth did he break the see! I'm ready, and it would be encouraging to know I am going well at two distances, and to get a qualifying 1500 time for Helsinki."

What the watching millio on TV on Sunday might find hard to comprehend is that Eventually, of course, he had a stroke to spare, but would be have been in the right frame of mind for that final challenge had be dropped Coe's 1:45 for 800, more than three secoonds or 26 metres slower than his record of 1:41.72, represents notking more than a basic level of fitness.

that inst challenge had he dropped three shots in a row? No one can tell, and there lies one of the fascinations of the game. He has now won \$189,000 in aix tournaments in this country this season, the first three of which, however received only moderate pickings. The public can be forgiven for not realising that the athletes operating at the level of a Cram, Ovett or Coe is training at an intensity unknown to most I suspect that the "I love Seve"

sportsment that Coe and his father Peter, his coach could say of his Olympic medals in 1980 that that considered it had been souvenirs (with a beart to replace the middle word) will be a hot number at Oakmon! this week. s disappointing year "because I had not, in fact, run fastur, which must always be his aim." how not to reach a peak too soon, as he in fact did in 1981, when the advent of a serious

to ease off in the three weeks prior to his sensational record-breaking duel with Ovett, when they exchanged the mile record three times in nine days. Coe-acknowledges that this may realistically be his last year in the lower range, that at 26 he cannot hope to sustain improve-ment at 800, at which distance he has swamped even Juantore-m's times and at his factest has

"If I'm going to lower the 800 record any more, it has to be this year, and I feel I might if the opposition's right, though I'm certainly not thinking about it. The world championships are

what counts. I could maybe eke out my 800 credibility for another year, but I don't want to be living off what I know, off my experience, rather than possibly improving at another, lunger distance such as 5000 metres." Whatever the incidental yet substantial figures which may

substituting up on his cash-point computer, from ICI, Nike, Horlicks and the new legalized permit meetings, the absolute measure of Coe's athletic performance on the track is still the only true concern of his his reas running, of his ambitions, is to rea though he gladly accepts the

Sebastian Coe is adjusting advantages at the bank: which is why the world championships mean so much after last year disappointment in the European championships in Athens followed by withdrawal from the Commonwealth Games. That failure, following the 800 traumas of Prague in the 1978 European Championships, and then Moscow, has now been analysed and rationalized.

"Athletics is, of necessity, a

very humbling sport, you are lucky to take out a fraction of what you put in. If anything, Athens was a good thing for me. Every sportsman needs to be Every sportsman needs to be brought up sharp now and again. I'd had three marvellous years since 1979, with some lack in avoiding serious injury and managing to get away with those injuries I did have. It would have been bad, on reflection, for me and for the sport, to have come back from Atheas with the 800 gold medal of the only four weeks makeshift after only four weeks makeshift preparation having just missed eight weeks with injury. "It would have devalued the

significance of everything one is doing at a time of normal preparation. Because of Athens, because of the frustrations of last year when I had two stress fractures at different times and then minor glandular illness, l

#### Scott falls to Coghlan

Eamonn Coghlan and Sydney Marce both won their races at two centres in United States yesterday. Coghlan beat America's top miler, Steve Scott, for the first time in four years by a hundredth of a econd in 3min 52.52sec at the Kinney Invitation event in Berkeley, California, and Maree clocked 3min 52.99sec at Villanova, Pennsylvania. Scott took the lead from Kenya's Mike Boit on the final lap, then gave it up to Coghlan but came back and edged ahead. Coghlan however kicked harder and barely held off Scott's lunge at the finish

Marce said of his mile "I'm excited and happy but it is still not what I wanted, I know I am capable of 3min 51sec.

Coe does not hide from the fact that the 800 championships hopes to be doubling in the 1,500 as in Moscow - means rhich must always be his aim." nore than anything this year, Coe's problem now, in fact is more than recapturing Ovett's 1,500 record which he believes he can take below 3:30

It is pride which compelled him to postpone moving up to 5,000 as he had intended this year, and he admits: "It would be nice to leave the sport having proved myself, publicly as it were, at 300, not just with records. I could rationalize the three championships when I lost what men like Brendan Foster say, that it's titles which really count - I've been out in front at 800 since 1978, so it's about time I had a championship to show for it."

through the winter, for the pressurised endurance of championship racug at two events over more than a week, has been similar to the build-no for

He says: "I still believe that if you get your preparation right for 800, then you will not be far off being okay for 1,500. If you make a mistake at 800, you are not likely to get a second chance. But at 1,500 there are several routes to success, it is a

time to put errors right."

It is strange when one realises that in the last six seasons the world's supreme miler has run no more than 14 his reasons for running in Paris is to remind himself just what it

#### BOWLS

#### Entry of the gladiators

A new bowls championship, the United Kingdom indoor singles, sponsored by CIS insurance, is to be played on a purpose-built rink at the Guildhall, Preston, from November 1 to 5. On a straight knockout basis 32 players will compete for nearly £17,000 in prize money, with £4,000 and a trophy for the winner.

The field will comprise the semi-familists in each of the four home countries' championships, three other players maninated by each-country and four crown green players who play indoors on flat greens during the winter. Among those assured of a place are David Bryant, Bob Sutherland, Terry Sallivan and Jim Baker, champions respectively of England, Scotland, Wales and Ireland.

This will be the first official even to use the seven-shot act scoring to use the seven-shot set scoring system rather than the traditional straight 21 shots. The organizers are hoping for a "giadiatorial atmosphere" in a hall already used for everything from snooker to religious metings and opera, and a full house of 1,500 each day. The BBC are televising the final three days. **Champions** 

VOLLEYBALL

#### loan protest By Paul Harrison

Speedwell Rucanor, the league

and cup champions, surprised guests at the presentation dinner of the English Volleyball Association by handing back the Mikasa Cup as part of a protest over prize money.

The Bristol team accepted the cup, which they won by beating Capital City Spikers in May's final. then returned it to Richard Callicott, the EVA chairman after discovering the association had kept back the cash prize which went with the cup. This was in part payment of a loan given to Speedwell to belp them compete in Europe, something Speedwell learned about from a note

they found in the cup. Speedwell were also unhappy a being reprimanded by the EVA
being reprimanded by the EVA
because some players' numbers
were not the same as those in the
programme at the final. Speedwell
will keep the impressive league
trophy which they won at a
Partnerses tournament and me-Portuguese tournament and pre-sented to the EVA for their use. The Mikasa Cup, however, goes

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back to the EVA office in Nottingham, with Speedwell's name inscribed on it. Mr Callicott called it

#### HOCKEY

The purpose of the exercise is to prepare for the senior home countries tournament at Cardiff on

July 16 and 17 and the European

championship in Amsterdam from August 18 to 28. This means the

the three players for the home countries junior tournament at

Aberystwyth on July 9 and 10 and

the qualifying tournament for the European junior event at Lisbon the

Meanwhile, the Southeate six

have again been omitted from the senior squad after their refusal to attend a training weekend in May in order to concentrate on the European club championship.

ENGLAND SENIOR SCHAD: P J Barber, C Bester, C Bester, K S Bester, P Boost, M Catrel, R Cite, A Dismond, D A V Pastioner, B S Flore, G N Francis, B J Green, N Hughes, J Hurz, I Jobby, R A Learnen, N Matter, J Fotor, A V Radnedge, M Richards, J R Royce, G J Rule; I Sherwan, R P J Staynor, I C B Taylor.

#### Juniors get senior call By Sydney Friskin

The inclusion of three players from the England under-21 squad. David Faulkner, Robert Clift and Immo Sherwani, in the senior party of 24 invited for training at Lilleshall on July 2 has not pleased the under-21 team management. tour, 18 months ago.
Yorkshire's Geoff Boycott and

The two committee members, Reg Kirk and Desmond Bailey, point out that a lifting of the ban, from next December, would end any doubts over the West Indies

ropean featherwieght title.

IN BRIEF

members are to propose to the TCCB, via the county club, that moves be started to lift the threeyear test ban on the players who took part in the rebel South African

BOXING: Barry McGuigan has been nominated to meet Italy's Loris Steeca for the vacant NETBALL: England made a fine start in the world championships, in Singapore yesterday beating Canada 68-12,

RUCRY LEAGUE: The Yorkshire Island, next Saturday to choose a Cup is to be sponsored by Philips challenger to pit against the best of Electronics, video division.

#### Call to lift rebels ban

Arnie Sidebottom, who are among the 13 banned players, will have completed two of the three years disqualification in December.

Seeking a challenger to win the 'auld mug'

countries hoping to challenge leader of their syndicate, Alan

It is 132 years since the schooner America crossed the Atlantic to rounce the cream of Britain's ocean racing fleet in a 60 mile contest around the Isle of Wight for a hundred guines cup. The America's Cup, as the "auld mug" came to be known, has become yaching's most covered and clusive trophy, as it has never been reliaquished by

In the 24 challenges mounted by yacht clubs around the world since 1851, contenders for yaching's Holy Grail bave managed to win just 8 of the 82 races held against the American defenders. That is hardly good odds, but it has done nothing to stop the flow of challengers. 68-12.

Wales held Australia until halftime, but then Australia drove on to
win 58-26. Scotland also put in a
creditable performance by holding
Trinidad to 54-19.

This year, the 25th challenge
series, seven yacht clubs, three from
Australia and one each from Britain,
France, Italy and Canada, begin a
summer-long series of two boat
match races off Newport, Rhode

best of seven race series for the Cup itseld which starts on September 13. Though four days still remain before the first sulvoes are fired, Newport is already at a high pitch of excitement as thousands of camp followers have descended on this small harbour town for the duration: of the summer to watch the races.
The light winds that have prevailed for the past two weeks have forced Denis Connor, head of the Fort Schuyler syndicate, and one

hoping to defend the Cup in America, to make an important He has to decide whether to campaign with the 66ft Liberty hunched last autumn, or rely on the smaller Freedom, the successful defender in 1980, which remains inbeaten in wind strengths above

12 knots.
Peter de Savary, who heads
Britain's Victory syndicate, has been
encouraged by the performance of
Victory 83, his new Howlett design,
hunched in May after she beat her
trial horse Australia in two races last

headed by Alas Bood, now making his fourth tilt at the Cup, is the

by Victory at 5-1. Bond's larger challenger, Australia II, which has been having trads off Freemantle against a computer during the past year was the last twelve metre to of three American shippers who is of the best financed entries in the

> particular - concealed from prying cyes nince her launching - has tyes since her amorting a less benefited from the latest serodynamic design thinking gleaned from the Fokker Aircraft Company which Ben Lexcen, the designer moovered during a six month programme of tank testing at The Methodonie Stein, Model Bacin in erlands Ship Model Basin in Holland

In contract to this challenge from the West Coast, Anstralia's two other competing syndicates from Melbourne and Sydney were dogged by lack of fands during the critical However, before nominating his challenger, the new twelve metre at present skippered by Phil Crebbin is being matched against the earlier Dubois-designed Victory steered by



John Szvage, a past Etchells 22 World champion, was narrowly outclassed by Australia II in a series of range off Melbourne just before

of races off Melbourne just before being shipped across to America.

Advance, the third Australian challenger was also meant to compete in that series, but declined the invitation at the last minute when her Sydney-based syndicate headed by Syd Fischer decided the time would be better spent evaluating sails. This Alan Payne Tomorrow: the Italians.

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Law Report June 14 1983

#### **Inland Revenue has** six years to assess oil tax

For the purpose of quantifying the amount of petroleum revenue tax payable on profits from oil won by participators in the North Sea, the Oil Taxation Act 1975 did not require the inland Revenue to make issessments forthwith upon a return being submitted to it. Such assessments could be made at any time within a six-year period dating from the end of a chargeable period. Accordingly the Act did not limit the expenditure that was allowable against a participator's oil receipts to such expenditure as would have been allowed had an assessment been made forthwith following a

return by that participator.

Mr Justice Walton so held in a reserved judgment in the Chancery Division dismissing an appeal by the taxpayer company. Amoco (UK) Exploration Co, from a decision of the special commissioners dismissing an appeal against a determination of the Board of Inland Revenue in relation of the special commission of the second of Inland Revenue in relation to petroleum revenue iax for the chargeable period ended December 31, 1976, and against assessments to the tax for subsequent chargeable periods up to the period ended December 31, 1980.

Mr Stewart Baies, QC, Mr J. E. Holroyd Pearce, QC and Mr Alastair Wilson for the taxpayer company; Mr Charles Potter, QC and Mr Robert Carnwath for the

MR JUSTICE WALTON said that the case was the first concerning the Oil Taxation Act 1975 to come before the High Court.

The point at issue was whether, as the taxpayer company contended, assessments on profits, taxable under that Act had to be made forthwith on a return being made by the isopayer company containing figures which were agreed by the Board, or whether, as the Crown contended, such assessments could be made within the usual six-year period dating from the end of the chargeable period.

It was not obvious why the timing should make any difference to the liability of the taxpayer company, and indeed the air of unreality was scarcely dispersed when one learnt that the assessments under appeal had resulted in no liability at all.

However, such was the structure of the 1975 Act that there was no doubt that there was a real point in issue between the parties, and that it issue between the parton, and uset a would be to the taxpayer company's advantage to have nil assessments reached by a road rather different from that traversed by the Crown.

Accepting then that the precise timing of the assessment might be crucial, the first and important argument by the taxpayer company that should be dealt with was the submission that to construe the relevant legislation in a manner which afforded the Crown an opportunity, by advancing of delaying the timing of the assessment, to affect the liability to tax, would be to hold that Parliament had conferred on the Revenue a discretion affecting the quantum of a taxpayer's liability. see *Yestey v IRC* [[1980] AC 1] 48).

That argument was less than convincing, it did not appear to be a proper use of language to say if an act had to be done within a certain provided that the period, that the person who had to do it had thereby conferred upon him a discretion,

What could properly be said was that his otherwise unlimited freedom of action was femered by being made subject to a time limit. Moreover it did not make any difference that the amount of tax might vary according to the date on which an assessment was made. The Revenue had no discretion as to the amount of tax chargeable; it was merely a question of what matters and to be taken into consideration in making an assessment. It was true that the Revenue had a choice as to timing, but choice was emphatically not the same thing as discretion.

The case depended solely on the construction of the relevant pro-visions in the 1975 Act. The difficulty arose because of the interplay of three separate matters; positive amounts (receipts) negative amounts (allowable expenditure) and oil allowance.

For the purposes of the tax the ssessable profit or allowable loss accruing to a participator in any chargeable period was the difference between the sum of the positive amounts and the negative an Section 8 provided for an oil lowance for each six-month chargeable period that was to be divided between the participators in

#### Showroom not in breach of Sunday law.

Bury Metropolitan Borough Council v Law

Same v Cowbarn Occupiers of a shop did not serve customers on a Sunday within the meaning of the Shops Act 1950 where they merely opened for public view a showroom containing examples of kitchen furniture which could be custom built to order and could be custom built to order, and recorded names and addresses of potential customers in order to make a subsequent visit to their homes to take measurements and

give estimates. Mr Justice Taylor, with whom Lord Justice Griffiths agreed in the Queen's Bench Divisional Court on June 8, dismissed an appeal by case stated by the local authority against the dismissed by the Bury Justices on November 23, 1982, of two informations under sections 47 and 59 of the Shops Act 1950.

HIS LORDSHIP said that the Act required shorts to be closed for the

required shops to be closed for the serving of customers on Sunday, not closed on Sunday. If the object of Parliament had been that places like that should have been closed in all. circumstances on Sundays they would have said so: see Manchester Cuy Council v Camperlands Ltd. (DC/739/81; unreported: March 22, 1982) per Lord Justice Ormrod.

Clearly it was legitimate for shops to be open for some purposes, and the justices had been justified in finding that this shop had not been open for the serving of customers. The taking of names and addresses was no more than an undertaking to serve customers at some future

Amoco (UK) Exploration Co van oil field in shares proportionate to the share of the oil won charing the period. It was comparable with the "personal allowance" available to individuals in relation to income

what was to be included in the positive and negative amounts. The amounts in question fell under section 2(9)(b).

It described what might be debited to a participator as his share as "(i) any expenditure allowable under section 3 or 4 of this Act for the field which has been allowed on such a claim before the Board have made an assessment to tax or a

That presented the kernel of the problem. If the Board had made such a determination before the expenditure in question was taken into account, then, as in the present case, the situation would be that the taxpayer company might have made a profit which could be reduced by the smilitarion of the oil allowers. the application of the oil allowance, leaving the whole of the expendiment to be carried forward.

Whereas if (as in fact happened) the Board delayed making the assessments mult after it had determined the expenditure, the expenditure would wipe out the profit thus producing the ser initial tex position but t participator would lose the benefit of the oil allowance in that year, since there would be no profits against which to set it; and balance of expenditure available for carry forward would be that much smaller.

expenditure in any particular period would have been set off against profits in that same period, any excess being carried forward to future periods. But the Act did not so provide. The set off was in respect of such expenditure as had been allowed before the esses What happened in the present

case? The end of the taxpayer company's first chargeable period was December 31, 1976. It made its return on February 25, 1977. The end of its second chargeable period was June 30, 1977: it made the return on Apput 5, 1977. The end return on August 5, 1977. The end of the third chargeable period was December 31, 1977: it made its return on February 27, 1978.

Then, for the first time, an was submitted on April 17, 1978, for the period ending June 30, 1977. That was allowed by the Board on November 9, 1978. It was followed in respect of the taxpayer company's returns for the above three chargeable periods on December 11, 1978.

Naturally enough, since the determination was made after the allowance of the Schedule 5 claim in respect of the first claim period by the Board, in making its determination the Board took the figures of

The whole of the texpayer company's case rested on provisions in Schedule 2 to the Act. It submitted that by paragraph 10(1) of the Schodule the Board "skill" make the secrement at 8000 as it. make the assessment as soon as it appeared to it that an assessable appeared to it that an assessment had to be made by the Board forthwith.

However, it was to be noted that peragraph 1(i) of the Schedule provided that section 34 of the Taxes - Management Act 1970 (applying the six-year time limit for assessments) was to apply to petroleum revenue tax as it applied other taxes. Mr Betes had missed section 34 as being merely in the nature of a long stop. If the taxpayer company's submissions were correct, then if the Board failed — as it presumably had — to make the assessments as soon as it was satisfied as to the

as it was sanghed as no the chromatances referred to m paragraph 10, then the conclusion had to be that it had by such failure lost the power to make any assessment. In other words the time limited for making the assessment had expired.

The special commissioners, find-ing that there was nothing in the Act ing that there was nothing in the Act which they could construe as setting a time kinnit within which the Revenue was to discharge its duty of making an assessment, had dismissed the favoyer company's appeal. Their decision on the points put to them was unassailable and the appeal had to be dismissed accordingly.

Solicitors: Ashurst Morris Crisp Co; Solicitos of Inland Revenue.

#### Legal aid in dismissal of appeals

Sir John Donaldson, Master of the Rolls, sitting in the Court of Appeal on June 7 with Lord Justice Ackner and Lord Justice Fox hearing appeals listed for appellants to show cause why they should not be dismissed for failure to comply with the Rules of the Suprem Court as amended, said that the appropriate course, where one party was legally sided and an application was made for an appeal to be dismissed by consent, was for a consent to be filed to the dismissal of the appeal by consent with an application by the legally aided party for an order for legal aid inxation. There was no reason for further costs to be incurred merely to get an order for legal aid taxation

#### When solicitors can appear in High Court

Shaw-V Shaw
Mr Justice Latey, sitting in the
Family Division on June 8, said that
on hearing a judgment summens
under the Debtors. Act 1869
solicitors had the right of andience
in the High Court. It was
nunecessary to decide whether the
right derived from statute but the
practice was certainly usage in the
Probate Admiralty and Divorce
Division in 1942 and had been so
recorded in the fourth edition of
Rayden on Divorce and in every
edition since.

#### Legal Appointments

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BAILISS - On June 10th to Margaret
and Michael at Kingaton upon
Tharnes Houseld, a son, John Ashley, a
brother for Anthony,
BROADHEAD - On June 10th to
Emma usee Laidiev) and Anthony a
son a brother for Harriet. ROOFT DAYS. — On June 9th, at withington Hospital, to Penciope Inter Toubkin and James — a san Jonathan Joseph), a brother for Reberca. Thanks to hospital staff. KENNER - On June 10th, to Laura and Paul - a son, James Paul, brother for Jeanna.

MEAVES - On June 12 1983 to Tina
ince Maldment) and Roger - a son
William Rupert) a brother for
Idward and Boolamin PHILLIPS - On 5th June, to Nicola unce Glazebrook) and John Philips, a West London Hospital to Tards and Divid a Gruphier. Disk is Jouenian to 1983, at the John Radeline Hospital, Oxford, to Berlamin and Julia, a daughter, sizer for Lucy and Sobel, Brapson. — On 10th June at Kings Codece Hospital, he Sue free Morrisons and David — a daughter victoria feter, sizer for Duncen. at Constitution of the Codece Hospital, he Sue free Morrisons and David — a daughter victoria feter, sizer for Duncen. at Constitution of the Codece Codece Codece (1) the June (1,15am) at Constitution (1) the Codece Codece (1) the June (1,15am) at Constitution (1) the Codece Codece (1) the Pairtik Beanchamp.

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Jane and Piers - a dangiter. DEATHS MP. – On June 13, peace Peter Douglas Cliffon 10, 8t. aged 80. Much love of Mary Elizabeth (ne dl. Survice at Ameraha um, 11.30 on Friday, June ERCHETT- on June 10 poacefully at Northwood, James, aged 91, addred husband of Esle, devoted father of Laurie and Graham, beloved Orand-father and Groot Crandfather. BLYTH - On June 12th 1983, Olive Principle Widow of George, mother of Jane and Robert, Funeral service of Et Laurence's Church, Roseingleo. on Friday, June 17th of 12 moon.

#### THE TIMES TUESDAY JUNE 14 1983 HOLIDAYS AND VILLAS **DEATHS** MONEY SAVERUS BOLLOWIS WED VILLAS

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MMER. On June 9th pracently
oursemouth Frances Elizabeth
v). Widow of Col. N. J.
J. Limer. M.C. (R.A.) Dearest
ver of Berenice and adored
dimother of Nacholas, Safty.
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Sill.Bertaman- on June 11 pencerully.
difler a short illness Ernest aged 89 cremation at Golder's Green crematerium at Hope Lene NW 11 on Monday 20 June at 12.00 none West Chapel.

SULLIVAN. On 11th June, 1983.
Barbara of 5. Monbina Road. Wimbledon, SW20. Funeral service in Christ Church. Conce Hill. West Wimbledon, SW20. on Friday, 17th June, at 1.4Som followed by Cremation at North East Surrey Court, East Colory, Veovil, Much loved husband of Joyce, dearest faither of Nicola, Gall and Deba. Funeral at Sunton Bingham Church on Thursday, Juine 16, at 3.30 pm. Family flowers only.

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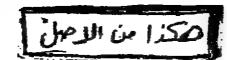
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then FIRST, YOU CRY (Channel 4,

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cancerous breast has on a middle-aged woman, her husband and friends. Miss Moore plays a difficult

as her best friend, Erica. Obviously in

need of mental as well as physical

support following the operation,

Betty Rollin turns to a former boy-

friend for comfort after her husband

finds it impossible to come to terms with his wife's change of attitude.

CHANNEL 4

magazine programme for the older viewer presented by

auch other and the clock in a test of anegrams and mental

5.30 Countdown. Another two competitors compete against

6.00 Bank to the Roots. The third

programme in this excellent

series tracing the history of Britishr's flore and Flichard

Mabey examines the plants

possess powers of magic. The strange properties of some have magnitude that superstition and ambients.

and symbolic meaning has been attached to them and, as

Mr Mabey points out, this is still alive today. From the monastic herb garden of

Beautieu Abbey Mr Mabey (Bacasses the historical

associations of such herbs as

rue, rosemary and centaury, with illustrations of their

American domestic comedy werten about the transic the of an

taffe, general

television scriptwriter and his wife. Also starring Mary Tyler

7.00 Channel Four News Includes headlines at 7.30 followed by Stephen Philips Arts Focus

and dity news at 7.40.

7.50 Comment. On the scep-box tonight, airing a grievance, is

secretary of Nupe.

by boyfriend Barry.

8.30 For What It's Worth, Saliv

of eviction hanging over

Brookside, Accident victim,

Roger Huntingdon, is on the

mend at home but proving a

far from ideal patient while Petra is visited in hospital by

Hawkins reports on the threat

mobile home owners in East Angelia and Penny Junor

6.30 The Dick Ven Dyke Show.

that were once thought to

4.45 Years Aheed, Topical

Robert Dougati.

Based on the autobiography of

Rollin, the story examines the traumatic effect the removal of a

#### BBC 1 6.00 Ceefax AM. News headlines,

The state of the s

Feluries

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weather, sport and traffic details. Available to viewers with television sets that do not have the teletext facility.

6.30 Breakfast Time Introduced by Frank Bough and Nick Ross. News at 6.30, 7.00, 7.30, 8.00 and 8.30 with headlines on the quarter hours; regional news, weather and traffic at 6.45, 7.15, 7.45 and 8.15; keep fit and the family budget between 6.45 and 7.00; preview of the day's television between 7.15 and 7.30; morning paper review at 7.32 and 8.32; Bob Friend's report from America between 7.45 and 8.00; horoscopes between 8.30 and

8.45. Closedown at 9.00. 9.35 For Schools, Colleges: Leisure time in Germany, 9.53 Maths Games: 1 (ends at 10.08). 11.00 Zoos: 1

Closedown at 11.15. **News After Noon with Richard** Whitmore and Sandi Marshall. The weather details come from Bill Giles. 1.27 Regional news (London and SE only: Financial report followed by news headlines with subt Saw programme for the very young (r). 1.45 Closedown. 2.00 You and Me. For four-and five-year olds, presented by Mike Grady (r).

2.15 For Schools, Colleges: Zoos. James Earl Adair helps clean the gorilla's cage at Bristol Zoo. With subtit es. 2.30 The Olaxabrook Touch, A documentary on the work of Bob Glazebrook, senior concert technician of Steinway's, who looks after some 100 grand planes

around the country (r). 3.15 Your Songs of Praise Choice presented by Thora Hird. (shown on Sunday). 3.53 Regional news (not London or

Scotland). 3.55 Play School. Shown earlier on BBC 2.4.20 Cartoons: Three shorts featuring Scooby and Scrappy Doo (r). 4.40 Take Two, Lucie Skeaping present another programme in the young listeners' request merics. 6.05 Newsround. The latest news from around the world for young people, presented by Paul McDowell, 5.10 Think of a Number. The easy by Johnny Bell (r).

News with Moirs Stuart, 6.00 South East at Six. c 22 Nationwide

6.45 Triangle. Episode 19 and Sarah Hallam uncovers Ted Anderson's hotal fiddle.

7.10 Looking Good, Feeling Fit presented by Christopher Lillicrep and Sarah Kennedy. Among the items this week is Russell Harty telking about his continuing battle to overcome

7.40 Tales of the Gold Monks Another rip-roaring adventure set in the South Seas. This week Jake certies out a dering evacuation of an lalend hit by niscuss, serthauskes and olcanic eruptions.

8.30 Serryl Timothy becomes the pawn in a battle between his mother and his rich sunt Esme !

8.00 News with John Humphrys. 9.25 The Falklands Experience. The first of a new series of Tuesday Documentaries. The programms explores the personal experiences of men and woman involved in the Falklands conflict. With Brian Hanrahan and Major-General Sir Jeremy Moore.

10.25 People and Power presented by David Dimbleby. Among the subjects this week is an examination of the work of the full-time party agents.

11.03 News headlines. 11.05 Flamingo Road, Another series of scendalous tales from the American Deep 11.55 Westles.

TV-am 6.25 Good Morning Britain ented by Nick Owen and Anne Diamond, News at 6.30, 7.00, 7.30, 8.00, 8.30 and 9.00; Randy Edelman at 6.33; carbon at 6.45; Bernard Levin reviews the morning peners at 7.05 and previews today's television at 8.33; sport at 7.45; Bucks Fizz video at 7.50; Inside Alan Minter's House at 8.05; You and Your Body at . 9.05; and exercises with Mad Lizzie at 9.15.

9.25 Thames news headlines; 9.30 For Schools: Elementary

arithmetic: 9.45 Metal. presented by Derek Griffiths for hearing-impaired children; 10.04 Caring and Sharing; 10.21 Looking after BBC 2 youngsters; 10.43 Science in Sport; 11.05 litustrator and story writer, Michael Foreman alks about his work; 11.22 Basic mains: 11.39 French

12.00 Cockhahell Bay. A sesside adventure of the Cockle twins. Robin and Rosie (r); 12.10 Once Upon a Time. Mark Wynter talks the story of The Giant in the Cradie (r); 12:30
The Julivans. Drama variet
about an Australian family
during the Second World War.

1.00 News with Leonard Parkin; 1.20 Therms news from Robin Houstor: 1.30 Crown Court A Fidding Connection. Three supermarket employees are accused of their from their place of work (r); 2.00 A Plus. Alan Parker, director of the film Bugsy Malone, talks to Kay Avila about the changes in nim and television commerciale since 1962.

· ITV/LONDON

2.30 Lady Killers: Not For the Nervous. Elaine Page stars as Kate Webster, a woman on a charge of murder. Was she a abused, provoked young lady? introduced by Robert Morley (r); 3.30 Does the Team Think? Television version of the successful radio comedy

4.00 Cockleshell Bay. A repeat of the programme shown at noon; 4.15 Cartson: Speed and Daffy in Snow Excuse; A.20 Recomment Fun and pames and pop music presented by Alistair Pirrie; 4.45 Ct. TV-Chemist 14. News, viewe and ideas for young people; 5.15. Emmerdele Ferm.

5.45 Nown 6.00 Thurnes names. 6.20 Crossroade, Eddie Lee makes things uncomfortable for Sharon Meldalle who tries to reassure Oliver Banks about this man from her past.

Reporting London presented by Michael Barratt. There are examinations of the future for Lendon's docks and the chances of picking up a bargain from a street trader

7.15 Film: Operation Crossbow (1965) starring George Peppard and Sophia Loren. Second World War drame. shout the Alles' efforts to locate and destroy Hitler's V bomb factories. Directed by Michael Anderson.

9.30 The Gaffer, Cornedy series starring Bill Maynard as the boss of a small Midlands engineering firm and newly elected to the local council 10.00 Novel

10.30 Robert Mayer - A Debt Repaid. A sympathetic documentary about the 104year old man who was musical awareness in generations of young children. 11.30 Jobs Limited introduced by

Douglas Moffitt. 12.00 Portrait of a Legend. James Darren talks to Rick Netson about his life and career. T2.25 Close with Sir Michael Hordern reading from the works of Plato.

Mary Tyler Moore as Betty Rollin: Channel 4 9.00pm.

6.05 Open University: Modern Art: Monuments 9.30 Photochemistry: Vision 6.56 Diabetee: Causes and Effects 7.20 Alcohols Aparti 7.45 Sanctions and Rhodesia: 2. Closedown at 8.10.

10.15 Play School. For the under fives, presented by Sheelagh Gilbey and Ben Thomas. The story is the traditional Goldlocks and the Three Baars, 10,40 Cto

2.15 Royal Ascot, Live coverage of four races on the first day of the royal meeting, including the traditional Royal Drive down the course. Julian Wilson introduces the Ouse Anne Stakes (2.30); the Prince of Wales Stakes (3.05); the St James's Palace Stakes (3.45) and the Coventry Stakes (4.20). The commentators are eter O'Sullevan, Jimmy Lindley and John Harrner. Breakfast television's Green Goodwar, Diena Moran, describes the runners in the

6.10 Maids the Mad Shooter. A drama, specially written for this Open University production by Famulth hondy, about life in a multi-

racial inner-city school.

5.25 Topper\*, Vintage American comedy series about a numbered and wife beam of gbosts who haunt their former erthly home in the company of an alcoholic dog. Starring Lec G. Carroll and Lee Patrick. 6.06 I Can Jump Puddies. Part

seven on the nine-episode Australian drama based on the autobiographical novels of Alan takes a job in a haberdashery in order to writer but he learns that he will only receive helf-pay because of his disability.

L55 News summery with subtition. 7.00 International Rugby Special. Highlights of the last three matches played in New Zeeland by the touring British Saturday's second international against New Zealand is Wellington.

7.40 Films Warting on the Bounty to a seeson of Marion Brando films caute the imperious actor in the role of Fletcher Christian, the First Officer who leads the multiny against Captain Bligh of HMS Bounty. Trever Howard, Richard Harris and Hugh Griffith head a etrong supporting cast.
Directed by Lewis Milestone.

10.30 Royal Ascot. Highlights of the races on the first day of the royal meeting. 10.46 Newsnight. The latest world and domestic news plus an extended look at one of the

nain stories of the day. 11.35 Open University: Reading Development, 12.00 Calculus: Behaviour of Functions, 12.25 What Value Nuclear Protests?

CHOICE

Anthony Perkins and Richard Crenna First heard on the BBC World play the rather weak men in her life, but perhaps it is the strength of Miss Moore's performance that makes American investigative reporter Betty

role with great sensitivity and is strongly supported with an excellent businessman turned musical philanthropist. The programme traces his life from the time he was a musical progidy in Mannheim and relies heavily on an interview with Sir and when he joins his team-ma Roert recorded when he was a mere for a post-match drink he disco 101-year old. Archive film and

Radio 4

informative picture of the man-to whom most lovers of good music in Britain are indebted

حكدًا من الأحل

Service 14 months ago THE JOURNAL OF VASILIJE BOGDANOVIC (Radio 4, 3.02pm), a play by Alan Plater, has since won a Bernard Levin is the narrator of a Sony Radio Award for the best documentary on the life of one of his drama script. Sandor Eles plays the musical hyper ROTENT MAYER—A DEBT REPAID (ITV 10.30pm), the remarkable 104-year old former who joins a struggling north of who joins a struggling north of England second division tootball club. The journal he keeps is a

depressing catalogue of woe. He is homesick, he can't speak English for a post-match drink he discovers his alcohol tolerance is much less recollections from a distinguished list than theirs. Plater's clever comic of contributors including Kirl Kanawa style is perfectly illustrated by this and Edward Heath paint an

6.00 News Briefing.
6.10 Farming Today.
6.25 Shipping Forecast.
6.30 Today, including 8.45 Prayer for the Day. 6.55, 7.55 Weather.
7.00, 8.00 Today's News. 7.20 Your Ledes 7.25, 6.25 Sport.
7.20, 8.30 News Headings 7.45 Thought for the Day.
8.43 Good abroad. Writish and read by Harry Secombe (2)
9.00 News.
9.05 Tuesday Calt 01 580 4411 7.50 Feedback Response to lutered comments. 8.35 Voices in Harmony, Chorel music f

9.00 Naval. 9.05 Tuesday Call: 01 590 4411 10.00 News. 10.00 News. 10.02 From Our Own Correspondent 16.30 Morning Story: The Outing Plock' by Susan Boyd.

10.45 Daily Service (s).

11.00 Naws: Travel.

11.03 Thirty-Minute Theatre: Two on a Balcony' by John Kirkmorns. 9.05 in Touch.
9.30 Kaleidoscope, Arts magazine, includes a preview of the Charnel 4 black comedy Red labourch, 8.35 Weather, 10.09 The World Tonight news,

12.02 You and Yours. Learning to cope with youngsters on the

12.27 Brain of Brain 1983 1.12.55 1.00 The World at Ore. 1.40 The Archers. 1.55 Shipping Forecast.
2.00 News.
2.00 Woman's Hour, includes an Hern on child assault and episode 10 of Familiy matters.

1.90 Nava.
2.00 Attendion Thesite The Journal of Vasilie Bogdanovic by Alan Plets with Sandor Bes. Young best drama script of 1983 in the Sony Radio Awards.1

4.00 News.
4.62 Just after Four.
4.10 Lord Hamlet with his doublet all unbrac'd. A lighthearted look at Shakespeare's longest and

ULSTER

As London except: 1.20pm-1.30 Lunchtime, 5.15-5.45 Private Benjumin, 5.00 Good Evening, Uister, 5.35 Crossroads, 7.00 Emmerdale Farm, 7.30

CHANNEL

As London except: 12.30pm-1.00 Survival. 1.20-1.30 Neves. 5.20-5.45 Crossroads. 6.00 Chennel Report. 6.38 Mork and Mandy. 7.30 Shine on Harvey Moon. 7.30 Knight Rider. 8.20 The Garlar. 2.00-10.00 No Excuses. 11.30 Gargater Chronicles. 12.25em Closedown.

probably most abused plays,
'Hernlet' with Derek Jecobi 1
5.00 News magazine. 5.50 Shipping
Forecast. 5.59 Weather.
8.60 The Sto O'Clock News.
6.30 The Road to Laughter. Third of a
four part series which is a tribute
to Bob News.

to Bob Hops. 7.00 Nave. 7.05 The Archers. 7.20 Groundswell Environmental

issues.

10.30 The Price of Fear: The Family Album' by William Ingram 1
11.00 A Book at Bedtime: The Turn-around' by Vladimir Volkoff (11).
11.15 The Financial World Tonight.

11.30 Music at Night. 12.00 News; Weather, 12.15 Shipping Forecast.

ENGLAND VHF with if above except 5.25-5.30cm Weather; Travel, 10.00-10.45 For Schooler 10.00 Teacher's Guide, 10.15 Playtime, 10.30 The Song Tree, 11.00-12.00; 11.00 Time and Tune, 11.20 Introducing Science, 11.40 Advertions, 1.55-2.00pm Listening Corner, 2.00-3.00 For Schools; 2.00 History, Long Ago, 2.20 Advanced Long Ago. 2.20 Advanced Studies: Geography, 2.40 Stories and Filtymes. 5.50-5.85 PM (continued). 11.00 Study on 4. 11.30-12.16 Open University.

Radio 3

LES Weather. 7.00 News.
7.05 News.
(Symphonies de Chasse), John Bull, Bach (Hunting Cantata SWV 208), Pavel Vranick (La Chasse), Dvorak, Franck (Symphonic Poem: Le Crasseu), Records.

E.03 Morning Concert (continued):
Weber arr. Liszt, Gaspard
Kummer, Weber completed
Mahler, Hindemith (Symphonic
Motamorphocis of themse by

9.05 This Week's Composer: C, P. E. Bach; records.†
10.00 BBC Singers: Poulenc, Dellus (On Craig Dhu), Kodaiy (Matrai Kepek).†

Reethoven and Warriswski: Violin and Plano recital. By Ruriko Tsukahara and Jean-Claude van der Eyden.t

11.15 Machaut: Sung and played by the New London Consort! 12.19 Midday Concert BBC Concert Orchestra, Part 1: Ottarsdorf, Mendelssohn, (Incidental music of a Midsummer Nights Dream -

1.00 News 1.05 Midday Concert Part 2: Weber Haydn. (Symphony No 45 in F Sharp minor, The Farewell).
2.00 Music Weeldy: (Repeat of Sunday mornings broadcast). †
2.50 University of Wales Recital: String Quartets by Mozart, Britten, Beethoven (quartet in F minor, Op 95).†

4.20 Charles lives: Including symphony No 3; records. Elemetein conducts the New York Pfelharmonic.1 5.00 Mainly for Pleasure. Includes Mainly for Pleasure. Includes

Wunderhorn.†

5.20 Sonates in Three Perts:
Chamber music by Purcell,
Nuttinew Locke. Corell.1
7.00 Omar Khayyarr: The Ruba 'yat
according to Edward Fitzgerald '
set to music by Bantock (Part 1)\*
8.25 The German Occupations of France (2) 1940-44: Long Memorius. Second of three talks by Richard Cobb.

8.65 Omar Khayyam by Santook (Part 2).19.40 Interval Reading, 9.45 Omar Khayyam part 3, 10.30 Clarinet and Piano: Finzi, Hurtstone, Searle, Harvey. Recital by David Campbell and 11.15 Nows.

VHF only - Open University: 6.15am to 6.56.

Radio 2

News on the hour every hour (except 8.00pm and 8.00) Major bulletins: 7.09 am, 8.00, 1.00pm, 8.00 and 12.00 mininght MF/MW, 5.00 Ray Moore! 7.30 Terry Wogan! 10.10 Jimmy Young! 12.00 Music While You Work! 12.00 Glots Huwell of Including! 2.02 Sports Desk. 2.25 Ed Stawar!'s Recting Extra. First day of the Royal Ascot meeting! 7.20 Cheen Anne Stakes. 1.05 Private of Weles's Stakes. 1.05 Private of Weles's Stakes. 3.45 St Jemes Palace Stakes. 4.00 Dayld Hamilton including! 5.45 Sport and Chestified Results. 7.20 Criciant Desk. 7.30 The Arestean Showment. 8.00 Folk on 21.9.30 Stop the World! 9.57 Sports Desk. 10.00 Where Were You in 22? 10.30 Brian Magnew presents Round Mikhaght (stereo from midnight). 1.00 Big Band Special: 1.30 String Bound! 2.00-5.00 Chertes Nove, presents You and the Night athe Musici

Radio 1

News on the half hour from 6.30em intil 8.30pm and then at 10.00 and 12.00 midnight MF/MW. 8.00 Adrian John. 7.00 Mike Read, including 7.45 John. 7.00 Mike Read, including 7.45
Action Special: What employers want.
Ring Freefone B347 9.00 Simon Bates.
11.30 Mike Smith, including 12.30
Newsbeat. 2.00 Steve Wright. 4.30
Pater Powell, including 4.45 Action
Special: Finding that job. Ring Freefone
83447. \$20 Newsbeat. 7.00 Frontins.
8.00 Devid Jensen 18.00 John Peett.
12.00 Midnight Close. VRIF Readles 1
12.00 Midnight Close. VRIF Readles 1
12.00 Midnight Radio 2 18.00 With
Radio 1 12.00-6.00 With Radio 2

World Service

World Service

6.00 Newsdesk. 6.30 Jecz for the Asking. 7.00
World News. 7.09 Twenty-Four Houz. 7.30
Orising Olibours. 7.45 Newsork UK. 8.80 Word
News. 8.09 Reflections. 8.15 Leve and Mr
Levisham. 8.30 The Abstrative Promis. 8.00
Wirz's News. 8.30 The Abstrative Promis. 8.00
News. 8.30 Twenty-Four Hours. 1.30 Network
UK. 1.45 A Johy Good Show. 2.30 Gadher's
Travels. 3.00 Redo Newsreal. 3.15 Outlook.
4.00 World News. 4.09 Commentary. 4.15
Europe's Unddy Peacs. 8.00 World News. 8.00
Travels. 7.00 Hours. 8.30 Against the Trend.
8.45 Music in the Family. 8.15 Letter from
London. 8.25 Paperback Choice. 9.30 The
World Today. 10.25 Scotland This Week. 10.35
Financial News. 10.40 Reflections. 10.45
Sports Roundup. 11.00 World News. 10.09
Tenthold News. 12.00 News. 11.30
Meridian. 12.10 World News. 12.09 News.
Johy Good Show. 1.15 Outlook. 1.45 Report on
Resigion. 2.00 World News. 2.00 Review of the
Priss Press. 2.15 Goiden Age of Operation.
2.20 Cullwor's Trend. 120 World News. 2.00
News About British. 3.16 The World Today.
3.50 Discovery. 4.48 Financial News. 4.55
Reflections. 5.00 World News. 8.00
Wird News. 8.00 World News. 8.00
Wird News. 8.00 World News. 8.00
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News About British. 3.16 The World Today.
3.50 Discovery. 4.48 Financial News. 4.55
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Reflections. 5.00 Worl

All threes to GMT FRECUENCIES: Radio 1 MF 1053kHz/285m or 1089kHz/275m. Radio 2 MF 893kHz/433m or 909kHz/330m. Radio 1/2 VHF 88-91MHz. Radio 3 VHF 90-92.5MHz, MF 1215kHz/247m. Radio 4 LF 200kHz/1500m and VHF 92-95MHz. Greater London Area MF 720kHz/417m. LBC MF 1152kHz/261m. VHF 97.3MHz. Capital MF 1548kHz/194m, VHF 95.8MHz. BBC Radio London MF 1458kHz/206m and VHF 84.9MHz. World Service MF

#### REGIONAL TELEVISION VARIATIONS

BBC

848KHZ/463ML

WALES, 1.27pm-1.30 News II Wates Headlines, 3.53-1.55 News of Waten Headlines, 5.00-1.55 News of Waten Headlines, 5.00-1.22 Water Today, 11.55 News and weather, Scottish News, 5.00-5.22 Reporting Scottish News, 6.00-5.22 Reporting Scottish RELANC: 1.27pm-1.30 Northern Brotand News, 5.00-6.22 Scone Around Sb. 11.55 News and weather, EMGLAND: 6.00pm-5.22 Regional News Maguzines, 12.00 midnight close.

investigates the case of a man who has traded under nine different names in the peat five 9.00 Film: First, You Cry (1978) starring Mary Tyler Moore Anthony Perions, Richard Crenna and Jennifer Warren. A made for television drama based on the true story of television reporter Betty Rollin after a melignent lump is discovered. The story tra

METH S CC 74

life and how it affected her relationships with her humband and friends. Directed by George Schasfar. 10.50 Eastern Eye. There is a comparative look at how British Muslims and their fellow worshippers in Mecce. last for the Remadan; an investigation into how Asian candidates fured in the dection; an exemination of Ugandan Asians seeking compensation for the

exproriated property; and a

profile of Sri Lanka's cricket

team in the Prudential Cup.

FORTUNE COV Cdn 836 2238, CC hottine 930 9232 Gres 579 6061. Mon to Fri eves Britu. Things Met 3.00. Set 5.30 & 9.46. DERNS LAWSON "Glorious" F. Times. "Gives best performance in lawa" Obg. GHRISTINA MATTHEWS "Sings like an angel" D. Mail. MR CINDERS Music by Wrigin Ellis

Music by Vivian Ellis

"Buccates Trailing HANTLY
SHOULD ON NO ACCOUNT
BE MISSED" S. Telegraph.

har reaction to the crisis in her

Starts 2.20 Ffstabalam. 2.35 Y Garwii Hon. 2.55 Interval. 3.30 Crucible-Science in Society. 4.50 Clwb S4C. 4.55 Pit-Pata 5.50 Billidowcar. 5.30 Str.

Misson Dollar Man. 8-25 Countdown. 8-25 Ger Yn El Bryd. 7-99 Newyddion Saith. 7-30 Colsg. 8-90 Unweith Etto Nghymni Annwyl. 8-56 Tell the Truth. 8-25 Wood and Walters. 8-55 Music in Time. 10-59 Maiu – A women Now. 11-40 Gair Yn El Bryd. 11-45 Closedow. As London except: 12.30pm-1.00
Gardening Time, 1:20-1.30 News, 3.304.00 Pistory of Grand Prix, 5.15-5.45
Does the Team Think's 8.00 News, 0.35
Drossrossis, 7.00 Emmerchale Firm, 7.10
Knight Pider, 8.30 The Gaffer, 9.0010.00 No Excuses, 11.30 Live at the
Millionairs, 12.00 Survival, 12.80am
Closedown.

HTV WALES

As NTV West except: 5.15pm-5.45 Does the Team Think? 8.00-8.35 Wales at Str.

OLIVIER (NT's open stage) Ton't 7,15, Temper 2.00 (low price mail & 7.15 GUYS AND DOLLS.

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SONG AND DANCE

TVS As London except Starts 9.25em-9.30
News. 1.20pm-1.30 News. 5.15-5.46
Barnbit. 5.00 Count to Count. 6.35
Creatercacts. 7.30 Emmerdale Farm. 7.30
Streets of San Francisco. 3.30 The
Gaffer. 9.06-10.00 No Excuses. 11.30
Portrait of a Legend: Andy Williams.
12.00 Company, Closedown.

TYNE TEES As London except: Starts 9.25pm-8.30 News, 1.20pm-1.30 News and Looksroend, 1.30-4.00 Bermore, 5.15-5.45 Servinii, 8.00 News, 8.02 Croserceda, 6.26 Northern Urb, 7.00 Emmerdale Farm, 7.30 Knight Rider, 8.30 The Gaffer, 1.00-10.00 No Excuse, 1.30 The Carter, 1.00-10.00 No Excuse, 1.30 Researchite, 1.200 Charton in the

11.30 Money Talks, 12.00 Church in the Garden, 12.05em Closedown.

RICHARD SERNARD
ERIERS CRIBBINS
PETER BLAKE SAM COX
HELER GILL CAROL HAWKUNS
ROYCE MILLS BILL PERTWEE IN

RUN FOR YOUR WIFE

As Lordon except: 12.39-1.30 Nerva, 9.00 North Tonight, 8.35 Crossroads, 7.00 Entertainers, 7.30 Knight Rider, 8.30 The Galfer, 9.00-1.00 No Excuses, 11.39 Lou Grant, 12.30 Neva, 12.35 Crossroads, 7.00 Emmerdale Farm: 7.30 Knight Rider, 8.30 The Gaffer, 9.00-10.00 No Excuses, 11.39 Living and Growing, 11.45 News, Cosedown. CENTRAL

As London except: 12.30-1.00

GRAMPIAN

As London except: 12.30pm-1.00 Gardening Time. 3.30-4.00 Young Doctors. 5.15-5.45 Does The Team Think? 6.00 Crossroads. 6.25 News. 7.00 Emmerdale Farm. 7.30 Knight Rider. 6.30 The Garter. 9.00-10.00 No Excuses. 11.30 Levkun Man. 12.36 Conserver.

GRANADA

As London except: 1.20-130 Granada reports. 2.00-2.30 Exchange Flags. 3.30-4.90 Shins on Harvey Moon. 5.15-6.00 This is Your Right. 6.05 Crossroads. 6.30 Granada Reports. 7.00 Emmardale Farm. 7.30 Knight. Farm. 8.30 The Gaffer. 2.00-7.00 No. 5 Crossroads. 1.30 Medianada Farm. 7.50 Shipping. 1.30 The Gaffer. 5.00-7.00 No. 5 Crossroads. 1.30 Medianada Shipping.

Excuses. 11.30 Mysteries of Edger Wellico. 12.46 Closedown. - SCOTTISH

As London except: 12.30pm-1.00 Gardening Time. 1.20-1.30 News. 5.15 Crossroads. 5.40-5.45 Job Spot. 6.00 Scotland Today, 5.30 What's Your Problem? 7.09 Now You See it. 7.30 Kright Rider. 8.30 The Gaffer. 9.00-10.00 No Excuses. 11.30 Late Cat. 11.35 Lou Grant. 12.30 am Closetown

As London except: 12.30pm-1.00 Survival, 1.20-1.30 News, 5.15 Gus Honeybun, £.20-5.45 Crossroads, 6.00 Today South West, 6.30 Mork and Mindy, 7.00 Shine on Harvey Moon, 7.30 Kright Rider, 8.30 The Geffer, 9.00-10.00 No Excuses, 11.30 Gangeter Chronicles, 12.25em Poetscript, 12.31 Chasefees

TSW

BORDER

As London except: 1.20-1.30 News. 8.15-6.45 Happy Days. 6.00 Lookaround. 6.35 Crossroads. 7.00 Emmerciale Farm, 7.30 Kright Riderl 8.30 The Gaffar. 9.00-10.00 No Excuses. 11.30 Antibes Jazz Fastival. 12.00 News. 12.03em Closedown.

**ANGLIA** 

As London except: 12.30pm-1.00 Gardening Time. 1.20-1.30 News. 8.00 About Anglis. 8.35 Crossroads. 7.00 Make Me Laugh. 7.30 Knight Rider. 8.30 The Carter. 9.00-1.09 No Excuss. 11.30 Mysteries of Edgar Wallsos. 12.40sm Tuesday Topic, Closedown.

YORKSHIRE

As London except: 12.30pm-1.00 Does the Team Think? 1.20-1.30 News. 3.30-4.00 Catender. 5.15-3.45 Nort and Mindy. 6.00 Crossroads. 7.00 Emmardale Farm. 7.30 Knight Rider. 8.30 The Gaffer. 3.00-10.00 No Excuses. 11.30 Antibes Jazz Festival. 12.00 Clossdown.

WHAT THE SYMBOLS MEAN I Starco. #Black and white. (r) Repeat.

ENTERTAINMENTS

OPERA & BALLET COLISEUM S 836 5161 CC 240 5258. LONDON FESTIVAL BALLET tunili 25 June. Eves 7.30. Set Max 2.30. Until Thur SWAN LANE (Toat) Caldering/Jolley). Fri SST May: DAMCES FROM. FILAPOLI/POUR LAST SONGS/RTUDES. COLIEEUM New season opens 15 Aug ENGLISH NATIONAL OPERA Subscription booking now open — savi CCC's. Up to 4 Opens FRES Brochure, booking form 01-836 2699.

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Fri & 7.00pm. Sat at 7.30pm. Tomor of 7.00m. Set at 7.00m.

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Tomor to Set Even 7.30 Set Mai 2.30

YOUNG LONDOM SALLET. —
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**CONCERTS** 

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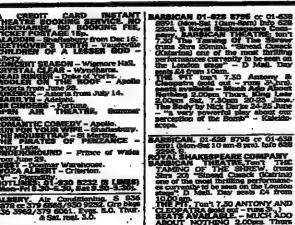
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from Richard Nathers Singara,
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ROYAL FESTIVAL HALL (01-928
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LORDOX SYMPHOMY ORCA
Andre Provin, Astronic Blowers,
Andre Howards, Dvonska Callo Concytle, Malcher Symphomy No 2. MICHODORS MAIL OF SSS 2141) To-sient 7.30 LONDON SOLOISTS CRAMBER ORGA. Viruski Conc. In G. Celle Conc. In C min: Piccolo Conc. Back Suite No 2: Breakenburg No 3: Bigszer Horn Conc. No 4: Symphony No 29.

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HOT LINES: 01-930 8232 IS LINES Mon-Fri 8-30-6-30, Set 9-30-5-30). ELIZABETH RON'
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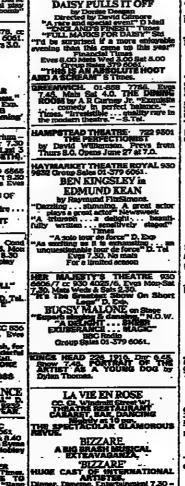
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A WEW COMMENT THREET PR

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to bo date" S Tel. "Reconstably
someting "Cab Paged. "Complete with
size time ummarkings" FT. DRAD RINGER Dinner, Deceing, Entertainment 7.30 – 2 am. Non-Diners Welcome. Resor-vations 437 6512/8380/734 9198 and

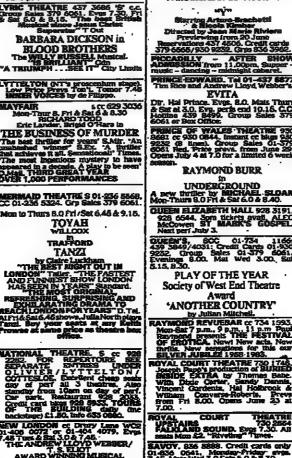








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PARK 5.486 2431 CC 550 9232 AS
YOU LIKE IT win Louise Junceon.
John Carry. David William, Dive.
7.45. Nata Wed 4 54t 2.50. Trisers
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price as thesite bot office.



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Dir. Hai Prince. Evgs. 8.0. Mais Thur & Sat at 3.0. Evg. peris end 10.15. C.C Hotina 439 8499. Group Sales 379
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UNDERGROUND A new thriler by MICHAEL SLOAN Mon-Thurs 8.0 Fri & Sat 6.0 & 8.40.
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IN MICHAEL FRAYN'S NEW COMEDY NOVELES OFF
NOISES OFF OPPOSED BY MICHAEL BLAKEMORE. THE FURNIEST PLAY I HAVE OVER SIEN IN THE WEST-END TIME.



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9222, Croop Sales 01-379 606.1 THE TEMPEST
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GATE MAYFAIR 493 2031

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(U): 4.50. 6.20. 7.55. 9.30. SORRY. No reduced prices from any source, but seeks booksbie from £3.00 BEETHOVEN'S TENTH

BELL HOVEN'S LEVID ancw play by Peter Usinov.
Directed by Robert Christon.
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WARDER WEST END 9 Lecenter
Square 439 0791, MICHAEL CAINC.
JOHN MATERS EDUCATIONS
RUTA(18), Mon Sat Props 1.40, 3 55,
6.10, 8.25, Late Night Show Sat,
11pm Sun, 3.30, 5.45, 8.00. AMDEN PLAZA 485 2443 opp. Carnden Town Tube. Jean Luc Godard's PASSION (15). Progs: 2.45, 4.45, 6.60, 9.00. 2.45, 4.45, 6.80, 9.00.

CIC CENEMAS. Programme riquiries 200 0200. Seats bookable for last eventing betformance inot late shows at the Advance Box Orfiter open 11 am to 7 pm Monday to Saturday. Or pm Monday to Philary Canada and Advance Charles of Pm Monday to Philary Canada and Canada a pm sun, 0.00, 9.46, 8.00.

WARNERS W55T END LEIG, 50, 4.35

0791 2. Dustin Hoffman in Teorisis

PGI Doors 1.5, 3.35, 5.5, 8.15

pm. No Advance Booking 3, Richard 4, Michardough's Flin GANDPH 1.PG.

Doors 2.00, 6.45 pm. No Advance Booking.

ATE NOTTING HILL. 221 0220/727 5750, THE PLOUGHMAN'S LUNCH (15) 2.40, 4.45, 6.50, 9.00. Major

**EXHIBITIONS** 28th ANTIQUARIAN SOOK FAIR, Europa Hotel, Grossenor Sq., Wi., 14, 15, 16 June, 11 am 8 pm Opener Godfrey Smith lodgy at 11 Over 100 exhibitors from 10 countries. Free admissions 00000000000 No Smoking Area. "\* No Smoking.

CABSIC HAYMARKET Piccodity
Chris 839 1527. MICHAEL CANN.
JULIE WALLERS EDUCATING.

BITA 15, Pross 1.50 thet Sain 4.60.
6.10.0. Late Show Fri & Sai
11.00pm.

CURZON, Cuczon St. WI. 01-499
5757. Julie Christle, Snasni Kapoor
in "HEAT AND DUST" 15. Film at
1.00 und Sain). 350, 400 & 8.55pm.

"Il 19. quite simply, superb" D. Tel.
"See it and marvet" F.T.
Fifth record-breaking month.

The Times Classified DOMINION TOTT. CRT. RD GATE BLOOMSBURY, T & 2. 837 8402/1177, Russell St Tube. 1 Introduced prices for children. (15) 5.00, 5.00, 7.00, 25.00. 2 Malloli (16) 2.45, 6.45, 6.45. 8.46, 14'd Bar. Major Gredit Cards acceptade.

Ring LEICESTER SOLIARE THEATRE (930 5262), RETURN OF THE JEDI (U.), See progr 1.40, 5.10, 8.40, No Advance Booking. LUMIERE CINEMA 836 0691 SE Martin's Labe. WCZ. C. exicting Martin's Labe. WCZ. Begman's Martin's Labe. WCZ. Begman's Martin's Labe. WCZ. Begman's Martin's Labe. WCZ. Begman's Props 2.80 & 7.15. Deglet Substites. The Times. -83 MINEMA 45 Knightbridge 256-4228
Now In 7th record breisting month. Title DRAUGHTSMAFS
CONTRACT (75), Delty 5,00,500, 3311 11.00pm.
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Burt Lancaster in LOCAL MERK
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All seats bookable at Box Office or to
post. Access and Visa Maphons
bookings welcome. or 3333 S SOR

- TUESDAY JUNE 14 1983

Zote,

West.

l] impe

Nominations will be invited at once and if Dr Owen is the only candidate he will be declared elected unopposed next week, before the new session of Parliament is opened

Mr Jenkins's co-founders of the SDP, Mrs Williams, Mr Rodgers and Dr Owen, issued a joint tribute last night. They said he had made and would continue to make a "massive contribution" to party and

"He is the man who first saw that the British political system could not be sustained on the basis of class, race, occupational or regional divisions.

"Since the Limehouse declar ation (the beginning of the SDP) no one has worked with more dedication and determination for the SDP and the Alliance and our gratitude to him is

"We have no doubt that the political future belongs to the Alliance of the Social Democrats and the Liberais."

#### Who the unions want

Top trade unionists started to gather support for their choice of new Labour leader yesterday and it soon became clear that Mr Neil Kinnock was the favourite, (Barrie Clement writes).

Of the 10 biggest unions it is estimated that Mr Kinnock, the labourer's son who represents the South East Wales constituency of Islwyn, has probably gathered about 17 per cent of the electoral college votes which will eventually decide the issue.

Mr Roy Hattersley has an estimated 10.7 per cent of the vote from the top 10, which covers 75 per cent of the union block vote.

So far no prominent trade unionist has suggested that Mr Peter Shore should lead the party and most of the smaller unions not included in the table are expected to back Mr Kinnock

Unions will take up 40 per cent of the electoral college, with MPs and consituency parties 30 per cent

	-
How the big	10 unions are lining up

Trace union	Monters	% of electoral college	Probable
Union of Communications Workers	190,277	1.21	Kinnook
Union of Construction, Allied Trades and	200,000	1.27	Kinnock
Electrical, Electronic, Telecommunication and Plumbing Union	180,000	1.15	Hettersley
Amalgamated Union of Engineering Workers (Engineering Section)	850,000	5.41	Hattiwaley
General, Municipal, Bollermakers and Affied Trades Union	850,000	4.14	Hattersley
Vittorial Union of Mineworkers	235,054	1.50	Kinnock
lational Union of Public Employees	600,000	3.82	Kirmeck
lational Union of Railwaymen	170,000	1.08	Kinnock
Inion of Shop, Distributive and Alfied Workers	417,500	2.66	Kinnock/ Hettersley?
ransport and General Workers Union	1,250,000	7.98	Kinnock

#### ehicle sale at Ruddington, near Nottingham, which began yesterday (Photograph: John Manning). Thatcher's junior

reshuffle ontinued from page 1 Peter Brooke escapes from that office to become Parliamentry Under-Secretary at Education and Science. Other promotions to be ministers of state include Mr John Moore, who becomes Economic Secretary to the Treasury; Mr Malcolm Rifkind, who moves up within the Foreign Office; Mr Peter Morrison, in the Department of Employment, and Mr John MacGregor, who moves from industry to Agriculture.

Under-secretaries transferred at the same rank are Mr Giles Shaw (from Environment to Energy); Lord Trefgame (from Health to Defence); Mr John Patten (from Northern Ireland to Health and Social Security); Mr Alexander Fletcher (from the Scottish Office to Trade and Industry) and Mr David Mitchell (from Northern Ireland to

the Prime Minister asked include three Ministers of State, Dr Gerard Vaughan, Minister for Consumer Affairs, Mr Hugh Rossi, Minister for Social Security, and Mr. Peter Blaker, Minister of State for the Armed

## The day Argentina told Britain by telephone: 'Stop everything'

By Rodney Cowton Defence Correspondent

phone in Spanish: "We are repared to talk. Stop everything." They were uttered by Captain Melbourne Hussey, me of the senior Argentin

fighting stopped, and within 15 ours had been negotiated and rigned. It was possible to eccomplish this so quickly at east partly because the British forces had been trying to establish a line of comm cation with the Argentine forces for more than a week, transmitting messages to them twice daily.

Lieutenant-Colonel (now Colonel) Mike Rose of the Coldstream Guards, but the actual transmissions were for the most part made by Red Bell, now aged 33, a captain in the Royal Marines.

Captain Bell, whose father worked for the United Nations, had spent virtually all his childgood in Latin America, using Spanish as his main language. He came to Britain in 1969 and joined the Royal

Today he says: ("I sometimes wonder why they took me on because I could scarcely speak English. I used to speak and think in Spanish."

That ability paid handsome dividend in the Falklands.

Captain Bell says that on June 4 or 5 last year Colonel Rose told him he was going to get him to start talking to Port Stanley. "He told me what he was going to do, and how he was going to get in touch. I think Colonel Mike used me because I could assimilate what the Argentines could assimilate, and react how they would

The British had worked out that they could make contact with the Argentines either by telephone or by using the shortwave radio frequency on which Dr Alison Bleaney on Port Stanley maintained medical contact with the outlying lalandery.

They were made at various tages from the assault ship HMS Fearless, and at other which was in the hills about 14 miles north-west of Port Stanley, the capital, which was known to the Argentines as Puerto Argentin

Captain Bell made the first 





transmitting perhaps 20 min-utes before they responded, We were quite amazed. . . . Hussey said he understood my message, but that it was for that it was not really for us.

thing white to shove up. The white flags were mainly the "That was one of the few occasions that I actually spoke to anyone between June 8 and 14 . . . Even at this stage we were not talking about surren-der. We were talking nevertheess about how we would treat

#### Great admiration for General Moore

- with honour, with dignity as soldiers, the normal sort of gallantry stuff.

"Our broadcasts by June 13 were a bit stronger, saying 'if we carry on like this and there is a subsequent bloodbath it will be your fault and the world will judge you for it'.

"We were by now saying openly that their position was hopeless, that they were completely encircied, cut off by air, see and now by land, and it was pointless to keep on.

On the morning of June 14 Dr Alison Bleaney answered. After a brief conversation "she dashed off, and I sub found out pleaded with Menéndez, and then Hussey was dragged to the phone and he

A little after that the essage came through that white flags were flying over Port Stanley. But Captain Bell thinks that few were Argentine

flags: "They didn't have any-

civilians saying don't shoot at Although the fighting then ceased, the British peace negotiators were not able to go into Stanley until about three hours later – about 1pm.

On arriving in Port Stanle Colonel Rose and Captain Bell were taken to the Secretarias building and met General Mario Menéndez, the Argentines' military commander.

Captain Bell says: "At the one o'clock meeting we were negotiating a surrender. Menéndez said he could only negotiate for East Falkland but that was not acceptable. They left the room for 15 or 20 touch with Argentina who told him he could not surrender, but he said that as military mander he was going to surrender and did not want any

The then eases back into the would room and said he surrender East and

more sorties flown from Argen-

Later Major-General Sir Jeremy Moore, the British commander arrived, having flown by heicopter through a snowstorm to get there, and a

Captain "Menendez was very solem about the whole thing, but I think if he had been a differnet kind of man we might have had to fight our way through Stanley, to the loss of both I think he was humane and understanding

"Menéndez said he had great admiration for General Moore, General Moore said: 'We now have this matter to resolve."

Surrender documents were produced in buff A-4 envelopes. three copies in English and one

The Argentines said uncon ditional surrender was not compatible with honour, and the word 'unconditional' was d out, but General Moore agreed to the retention of side arms by the officers", Captain Bell says.

"After a reference to the Falkland Islands, the Argentines inserted 'Islas Malvinas'. this was rejected by General Moore

That night General Moore slept in the bedroom in the

#### THE TIMES INFORMATION SERVICE

#### Today's events

Royal engagements leave Heathrow airport for Canada,

Princess Anne, Chancellor of London University, opens the new cytension to the Computer Centre at Guilford Street, London, 10.30; opens the Chest Unit extension at the Medical School, Denmark Hill, London, arriving at 12.45.

The Duke of Kent visits British

loyal engagements
The Prince and Princess of Wales ave Heathrow airport for Canada, 0.

In air of Leggardian Roberts Prince Lakeside Country Club, near Frimley, Surrey, 8.15.

Prince Michael of Kent, as President of the Institute of the Canada President of the Institute of the Roberts Prince Canada. Motor Industry, visits Bristol Cars, at Filton, Bristol, 2.15.

6 Withholding literally the fourth

7 Falsely they say you accuse Hermes the carrier of it (8).

8 Means the Ministry of Defence

14 Gas or metal turning up low-

16 Vigorous men don't start to

work before call-up (9).

17 Is one blinded by this weapon

18 Appoint a hearing for a yellow

20 Draw only half an animal inside

24 The spirit of a sailor described

Solution of Puzzle No 16,154

T AND E AMELIA

22 Receptacle that's cracked (5).

dimension? (5).

is wrong (6),

foreigner (6).

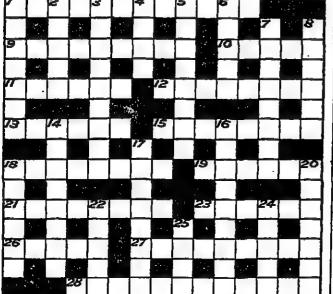
by Browning (5).

25 Make tracks and fast (4).

down (8).

#### The Times Crossword Puzzle No 16.155

This puzzle, used at the Leeds regional final of the Collins Dictionaries Times Crossword Championship, was solved within 30 minutes by 15 per



- 1 Carpeting, a top covering on the floor (8, 4).
- 9 Water carrier used to be very good in Indian tent, mostly 10 Bowler out for a duck? (5).
- 12 Allowing Drummond to hold nothing after the high note (8).

  13 More offensive in private (6).

  15 Boss of a colliery in Somerset

11 Plenty for Pussy (6).

- 13 Belts you violently and insensitively (8). 19 Container ship (6). 21 One of two passed in common
- 23 Horrified Turkish commander. a good man (6). 26 It's futile to write back in Italian
- 27 Leader of German army left general resembling Caesar at Philippi (5-4). 28 Putting to sleep thus in hospital; typical only after treatment (12).
- 1 Paites vos jeux, old lady (7). 2 Break lease and make a stand
- 3 Mere members used to lift heavy weights (5-4).

  4 There's nothing about a fix (4).
- 5 Scottish river tartan is cunningly contrived (4-4).
  - CONCISE CROSSWORD PAGE 6

Acrospace at Dunsford, Surrey, 12.50; as Patron, attends a concert in aid of Leukaemia Research Fund, Lakeside Country Club, near Frimey, Surrey, 8.15.

Prince Michael of Kent, as President of the Institute of the Motor Industry visits Bristol Cars.

Street, Edinburgh; Mon to Sat 10 to 5.30, closed Sun; (until July 2).

Local Artists, Local Landscapes, Timacus Gallery, 2a Salisbury Rohd, Moseley, Birmingham; Mon to Fri 10 to 4, Wed 10 to 7.30, closed Sat and Sun; (until July 8). The Eastbank Show, work by staff from Southport College of Art and Design, Atkinson Art Gallery, Lord Street, Southport, Mon to Fri 10 to 5, Thurs and Sat 10 to L, closed Sun (need Sun)

(until July 9). (until July 9).

Private Views: portraits and selfportraits (until July 10); and A
Timeless Journey: paintings by
Tristram Hillier (until July 31); both
at Cartwright Hall, Lister Park,
Bradford: Tues to Sun 10 to 6,
closed Mon (until July 31).

Last chance to see

The Sprint of Japan: colour prints by Harold Rose, Beeston, Library, Foster Avenue, Beeston, Nottingham; Mon to Fri 9.30 to 7.30, Thurs and Sax 9 to 1, closed Sun (ends

today).
Local Architects and Architecture, Museum and Art Gallery, John Frost Square, Newport, Gwent; Mon to Thurs 10 to 5.30, Fri 10 to 4.30, Sat 9.30 to 4, closed Sun (ends

French organ and trumpet music by Marie-Andree Morisset-Balier and Michael Morisset, Cathedral

Organ recital by Mark Dancer, Elvet Methodist Church, Old Elvet, Durham City, 8. Durham City. 8.

May Week orchestral concert,
University Music Hall, West Road,
Cambridge, 2.30.

Organ recital by Elizabeth Le
Grove, Bangor Cathedral, 1.15.
Concert by Cotham Chorale,
Bristol Cathedral, 12.45.
Piano recital by Nina Vinogradova-Biek, Chichester Cathedral, 1.10.

General Grand Antiques and Collectors Fair, Brighton Centre, Brighton, 10 to 6.
Three Counties Agricultural

Show, Malvera, today, tomorrow and Thursday. West Kent Brass Rubbing Centre opens today, The Crypt, Rochester-Cathedral; Mon to Sat 10.30 to 5 (until Ang 31).

The pound

	Bank	Bank		
	Buys	Sells		
Australia S	1.87	1.78		
Austria Sch	29.35			
Belgium Fr	82.75	27.70		
Canada S		78.25		
Denmark Kr	1.99	1.91		
	14.82	14.07		
Finland Mkk	9.06	8.56		
France Fr	12,41	11.86		
Germany DM	4.14	3.93		
Greece Dr	136.50	128.50		
Hongkong 5	12.05	11.40		
Ireland Pt	1.31	1.25		
Italy Lira	2450.00	2330.00		
Japan Yen	398.00	378.00		
Netherlands Gld	4.64	4.41		
Norway Kr	11.82	11.22		
Portugal Esc	169.00	156.00		
South Africa Rd	2.14	1.98		
Spain Pta	224.50	213.50		
Sweden Kr	12.33			
Switzerland Fr	3.45	11.80		
USA S		3.28		
Yegosiavia Dur	1.62	1.56		
•	139.00	131.00		
Retail Price Index: 332.5.				
London: The FT Index closed up 4.2				
at 771 3				

When Time Ran Out, ITV, 13.80m Coronation Street (Wed), Granada, 12.30m Coronation Street (Mon), Granada, 11.75m Crossroads (Thurs), Central,

Crossocias (Mura), Central, 11.55m The Gaffer, Yorkshire, 10.85m Crossocias (Wed), Central, 10.45m Earthquake, ITV, 10.45m Where There's Life, Yorkshire, 10.35m 10.35m Family Fortunes, Central, 10.20m Emmerdale Farm (Thurs), York shire, 9.90m

That's Life (Sun), 10.30m
The Time of Your Life, 9.80m
That's Life (Mon), 9.50m
The British Chempotership, 9.80m
Jack of Diamonds, 9.20m
Odd One Out, 8.68m
Teme, 8.50m
Top of the Pops, 8.10m
Camer and Lacer, 8.10m

Cagney and Lacey, 8.10m Main News and Weather (21.40, Wed), 7.85m

Nobody Minded the Rein . . . 4.80m To Serve Them All My Days, 4.45m Entertainment USA, 3.70m The Young Ones, 3.60m Gardener's World, 2.85m Sunday Grandstand, 2.60m They Died With Their Boots On, 2.55m

2.55m Out On The Floor, 2.50m No Scap, Radio, 2.15m The Misfits, 2.05m Newsnight: Campaign 83 (Sun), 2.05m

Entroped 4
Before and After, 4.65m
Living Apart Together, 2.25m
Soap, 1.90m
Tell The Truth, 1.80m
St Elsewhere, 1.65m
Wood and Waiters, 1.40m
Brookside (Wed), 1.30m
Pethia Clark Variety Special, 1.25m
Another Bouquet, 1.25m
Cheers, 1.16m

Sion A Sian, HTV, 89,000 Eisteddfod Yr Urdd (Fri), . HTV, 77,000 Y Byd Ar Bedwar (Wed), HTV, 75,000 Y Byd Ar Bedwar (Sun), HTV. 70,000

Esseddfod Yr Urdd (Sat), HTV. 66,000 n English: 1 St Esswhere, 100,000 2 Before and Atter, 91,000 3 Wood and Walters, 80,000 Dr X, 79,000

Breakfast television: The average weekly figures for audiences at peak times (with last week's figures in parentheses) are:

SECT: Breakfast Time: Mon to Fri 1.3m
(1.7m):

TV-sec: Good Morning Britain: Mon to Fri 0.7m (0.3m); Set 1.4m (1.3m); Sen

Anniversaries

Deaths: Enmeline Pankburst, London, 1928; G. K. Chesterton, Beaconsfield, Buckinghamshire, 1936; Maksim Gorky, Leningrad, TIMES NEWSPAPERS LIMITED.
1983. Printed and published by Times
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Gray's Inn Road, London, WCIX 8EZ.
England, Telephone 01-837 1234. Teler,
264971 Tuesday June 14 1983. Registered
as a newspaper at the Post Office.

#### Roads

London and South-east: A215: Single lane traffic southbound from Elephant and Castle to Camberwell Road. A406: North Circular Road: Lane closures between Harrow Road and Neasden. A23: West-minster Bridge Road closed between York Road and Beyliss Road;

Wales and West: A38: Lane closures at Marsh Mills viaduct; Lee Mill, Devon. Sheep Street, Cirencester, closed; diversion. M5: Numerous restrictions between junctions 26 (Taunton) and 27 (Tiverton)

Midlands and East Anolis: A54-Lane closures on Telford by-pass; diversion at junction 5. Al: Lane closures on Stangars Hill, near Alconbury, Cambridgeshira. MY: Lane closures at junction 16 closed extends on the control of the cont except exit from southbound carriageway and access to northbound.

North: A59: Temporary signals Eof Bolton Bridge, Bolton Abbey, N
York. A6119: Lane closures at
Whitebirk Drive, Blackburn.
A1/A6136: Lane closures for flyover
construction on Catterick by-pass,
N York.

Scotland: A74: Single lane traffic on London Road, Mount Vernon, Glasgow. M8: Lane closures at junction 5 (Shotts). A82: Single lane traffic with lights E of Ballachulish Bridge, Argyllshire; temporary divursions.

Information supplied by the AA.

#### The papers

"It has taken a woman Prime Minister to revive an institution which discriminates disgracefully against women - the hereditary English peerage", says the Daily Mirror. "The new Viscount White-law has four daughters but no sons, as his title will die with him: what so his title will die with him; what could be more sexist that that?"

Mr Roy Jenkins' resignation as leader of the SDP is "an act of courage and integrity," says the Daily Express. "As the elder statesman of a fledgling but dedicated party, (he) still has much to offer, even if his ultimate dream of neguriership must now elude of premiership must now clude

Pollen forecast



#### Weather forecast

A trough of low pressure will move away SE from Kent and the Channel Isles; all areas will be in a W to NW airstream.

6 am to midnight

London, East Anglis, centrel 3 England, E Midlends: Cloudy at first, sunny, intervals developing, acattered showers later, wand W to NW, moderate; showers later; wind W to NW, moderate; max temp 16 to 18C (61 to 64).

SE England, Channel Islands: Rein soon dying out, Starny intervals developing, a few showers later; wind SW to W, moderate; max temp 16 to 18C (16 to 64f).

E. central N.NE England, W Mediands, Borders, Edinburgh, Dundees Variable cloud, surny intervals, scattered showers; wind W or NW, moderate or fresh; max temp 15 to 17C (59 to 63F).

or fresh; max twmp 15 to 17C (59 to 53F).

SW England, Wales: Surmy intervals, showers, especially over windward cossts and falls; wind W to NW, moderate or fresh; max temp 15 to 17C (59 to 50F).

NW England, Lake District, Isle of Man, SW Scotland, Glasgow, Argyll, Northern Ireland: showers and surmy intervals; wind NW, fresh; max temp 14 to 16C (57 to 61F).

Aberdeen, central Highlands, Morey Fith, ME, NW Scotland, Orloney, Shedland: Mostly cloudy, showers or longer periods of rain; wind NW, fresh; max temp 10 to 12C (50 to 54F).

Outlook for tomorrow and Thursday; surmy intervals, some rain or showers, chiefly in N; becoming warmer.

SEA PASSAGES: S North Sea: Wind

chiefly in N; becoming warmer.

SEA PASSAGES: S North Sea: Wind SW, fresh, veering NW, strong, Sea moderate, becoming rough. Sanat of Dover, English Channel (Ex wind SW, fresh to strong, veering NW, fresh; see moderate, locally rough at first. St George's Channel, their See: Wind W to NW, strong, locally gale at first; see rough, locally very rough at first.

Sun rises: Sun sets: 4.43 am - 9.19 pm First Quarter: June 17.

Lighting-up time London 9.49 pm to 4.15 am Bristol 9.58 pm to 4.23 am Libborgs 10.20 pm to 3.35 am Barchester 10.09 pm to 4.09 tm Parusance 10.03 pm to 4.42 tm

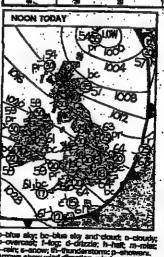
Yesterday

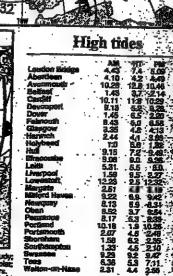
London

Yestertiay: Tempt max 6 est to 6 pm. 16C (64F); min-6 pm to 6 am, 11C (52F). Hazaldity: 6 pm. 51 per cent. Raitr 20th to 6 pm. ral. Sure 24hr to 6 pm. 13hr. Bar, mean see level, 6 pm. 1,021 million: 255 pm. 1,000 million: 255 pm.

Highest and lowest







**Around Britain** 

Abroad :

> MEDIDAY: c, cloud; f, fair, fg, fog; r, rain; 8, sun; th, thunder. Copedign
> Corfs
> Dalfase
> Dalfase
> Dubles
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> Plownes
> Franches
> Geneva
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#### Japanese technology

The Japanese have reached the frontiers of technology in such fields as consumer electronics, robotics, computers, semi-conductors, optical electronics and genetic engineering. Their strength has been to take ideas from outside and successfully

mass-produce and market them. Their inventiveness has been in production technology and product design. Can they now move back the frontiers of technology on their own, or does their educational and social system stifle true originality?

poster showing hands -robotic and human - holding the world aloft provides a striking advertisement for Expo'85, a Japanese science and technology exhibition to be held in Tsukuba, near Tokyo, in two vears' time.

The theme of the international exhibition, which will be a showpiece for the advances made by Japanese scientists, is "science and technology for man at home". That theme is consistent with goals being pursued by technologists all over Japan who are convinced that a technological revolution will take place in the home by

the end of the century.

New products from the research laboratories will be used either in the home or be casily accessible from the home. They include: high-quality television with twice as many lines as at the present, discs on which the user can record everything hc/she desires, whether that be information, music or video; microcomputers controlling everything in the home from

lighting to cooking.

Every home will be linked by high-speed, large-capacity tele-communication circuits. Computer systems, both small and large, will be programmable by the non-technician and respond to his/her verbal commands and, even, handwriting. These areas are the primary subjects of research and development for Japanese industry.

The essence of this technological revolution is digital processing. By this method a piece of information is stored in the form of a O or 1, in a similar way to that used by computers for over 20 years.

The same technology will be used to store every type of domestic information, whatever its source, and transmit it down a cable or across the sky by ratellite.

The race towards that goal has started and the West and East are competing to get there first. There is equally intense competition between Japanese companies, as can be seen from the battle between Sony and the Japan Victor Company (JVC) for dominant positions in the

video market at home and

But are the Japanese, once peddlers of cheap junk, now the masters of production technology, able to make the vital step into real innovation? Westerners consider that the Japanese are superb at developing other people's inventions but are incapable of pure research. They are doubtful that

Japanese society, where collecti-

vism is encouraged and indi-vidualism is not, can be the

source of original thinking.
The reality is quite different,
While researchers at Sony and Nippon Electric Corporation (NEC) concede their concern and such worries are aired in the Japanese press by manufac turers, the Japanese way of life may be better suited to the management of technology than that of Western countries.

High-quality innovative research on modern, complex technologies is not done by individuals on any substantial scale but by properly managed teams. A recent example of collective innovation was demonstrated by the Japanese semiconductor companies Fujitsu, Hitachi, NEC, Toshiba, Oki and Mitsubishi, which got together at the suggestion of the Japanese Ministry of Inter-national Trade and Industry (MITI) to develop general-purpose computer systems and advanced silicon production

technology. The technology called VLSI (very large-scale The technology integration) allows a substantial number of electronic elements to be packed onto a single microchip. Three partnerships were formed: between Fujitsu and Hitachi, NEC and Toshiba, and Oki and Mitsubishi. In each

case a new computer system was produced. Two groups were formed in the VLSI project-Fujitsu/Hitachi/Mitsubishi and NEC/Toshiba. That project, which finished in 1980 after five years' research at a cost to the Japanese government of yen 30,000m (about £80m), was to generate over 700 patents and put the Japanese ahead of the Americans, who had dominated the semiconductor market for a

So refined was the production

Bill Johnstone went to find out. technology developed in the five years that 256,000 bits of public R & D finance is almost information can now be stored

on a single chip-the 256K RAM (Random Access Memory)-and within the next few years there will be a large-scale production of chips with a capacity of over one million. The theory that Japanese industry is controlled by MITI

Japan Incorporated, with a board of directors made up of an American who has studied the Japanese at close quarters to succeed. It is not investment which is always of paramount importance, since the Japanese have lagged behind in this field, but rather the management of the technology.

That management involves MITI in all major policy decisions. The ministry is very influential but has had a few notable failures - the growth of the home car manufacturing base, which it disliked, and the rivalry between the two Japa-nese video tape, formats, VHS and Betamax. MITI is prepared to direct industry and in turn industry is amenable in a way which is quite alien to the American style of company

management. However, Professor Gregory claims in a recently published paper that the Japanese govern-ment support for research and development (R&D) remained conspicuously low through the 1960s and the 1970s, although industry made remarkable progress.

Nevertheless, the amount of money devoted by the Japanese to R&D has been rising steadily for a decade and reached an estimated 6,000,000m yeu in the last fiscal year. According to the Japan Machinery Exporters' Association, this R&D finance comes largely from the private sector. Its contribution to R&D is now 70 per cent. In the US, West Germany, France and

public R & D finance is almost

The principal drive of this Japanese effort and investment is to manufacture hightechnology products for the non-technical user. The most futuristic of these projects being termed the Fifth Generation and the country is run like

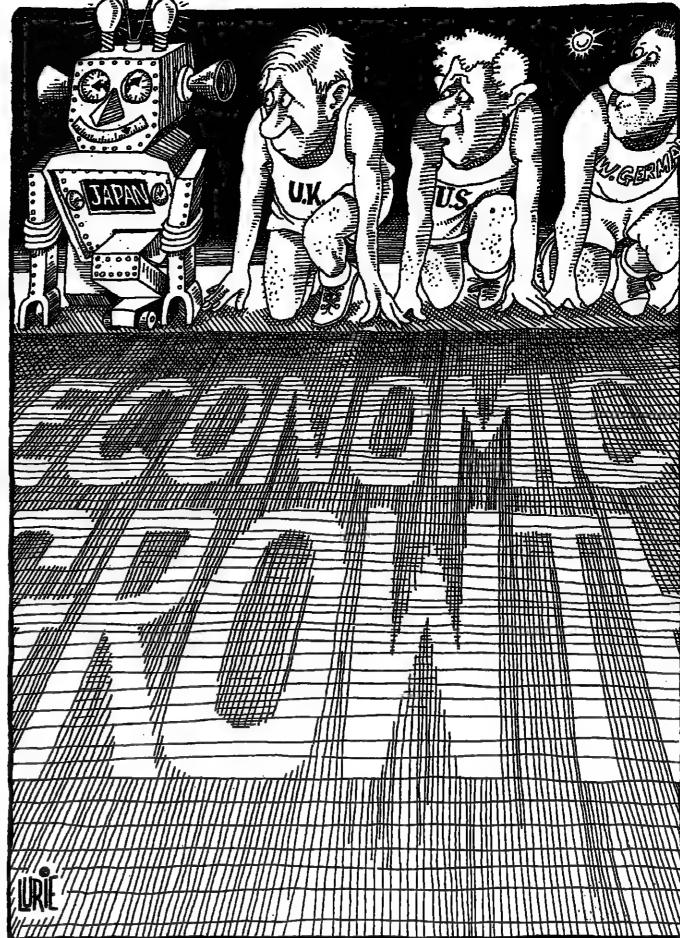
This project, which involves the US, Japan and most of the Japanese bureaucrats, is popular, particularly among Americans. Professor Gene Gregory of Sophia University in Tokyo is an American with head of the design of computers which will not only be fast but will not only but will not only be fast but will not only respond to voice, touch and simple human commands. They will have built in intellivinced that the West must respond to the challenge of technology management as positively as the Jaranace is a large will have built in intelligence — called artificial intelligence — (AI) — which will allow the computer to have a memory similar to that of a hunory independent decisions based on its own experience.

Whether it is too ambitious to, expect the Fifth Generation Computer project to be successfully completed in 10 years, as is the aim, nobody know, but the Japanese are giving it a try.

Fundamental to its success, and to that of every other technical project in which the Japanese are engaged, is stan-dardization. Without inter-national cooperation in the early stages of these projects, different companies and different countries will go their own way and compete with incompatible designs, which will reduce the export potential of any developed technology. This potential is a primary ingredient in any successful Japanese venture, particularly in comsumer electronics.

To that end JVC, which is developing its own high-density digital tape on which can be stored millions of bits of information, is negotiating with a number of multinational companies in an effort to ensure that standardization is agreed at

an early stage.
Robots will assist in the manufacture of future technological products, many of which may be made of ceramics and new forms of plastic. Biotechnology could provide the energy and the foodstuffs to fuel a new high-technology miracle.



ON OTHER PAGES Consumer electronics, Office automation, Robots II. Computers, Biotechnology IV. Space, Telecommunications V. Ceramics, Magnetic levitation, Cars, Energy VI. Steel, Finance VII.



was Worl unpo

#### The house of the future, peppered with electronics

No other case in the Japanese devices, most of them using high technology market has generated as much competition information is represented by inside Japan, and been the electrical pulses similar to the source of so much ill-feeling directed at Japan from abroad, as consumer electronics. High quality, mass produced audio and video products have caused European and American manufacturers to review their entire production procedures. In the last decades substantial inroads have been made by the Japanese into overseas television and stereo markets, particularly in West Germany, France, Britain and the United States. Japanese innovations in

consumer electronics, apart from the skills developed in production and quality control. have been refined in the area of product marketing. The Sony success with the portable stereo 'Walkman' tape recorder, which has been emulated in some form by every major competitor, is me most recent example. A new market for small screen colour television sets, created by the Japanese in Europe because of the Telefunken patent on the British and German television system (PAL), which prevented the import of foreign colour tele-visions above 20", is another prime example of the Japanese product innovation.

The product and not the

technology is the aim of most R & D projects for Japanese companies and there is fierce competition to be first on the market. Home, or consumer, electronics is potentially the most important growth area in high technology and is commanding a great deal of attention since it is in this sector that attractive packaged prod-ucts are essential to success.

That growth will come about because of the increase in leisure time and the high cost of energy, while advances in telecommunications will make communication between homes and offices simple and cheap. The home of the future, which is the subject of research by all the major Japanese consumer electronics manufacturers, will be peppered with electronic

techniques refined in computers. The typical home would have a high definition colour television set, and crasible video or audio disc, compacty disc/tape and a microcomputer.

High definition television is an essential ingredient of this new home. The set will not just be the principal display for video films, whether supplied by disc or tape, but also of electronic mail and newspages of videotex, which will depend heavily on good resolution television technology. To that end, NHK (Nippon Hoso Kyokai), the national broadcasting company of Japan, has spent the past 12 years developing its 1125-line television system, twice the number of lines normally used in Japan.

High definition TV, erasable audio discs, microcomputers will be a way of life

The project, conducted in collaboration with Sony, Ikegami. Hitachi and Panasonic among others, has now reached stage where test transmissions will take place next year using the NHK channels on the Japanese direct broadcasting satellite. The system can be extended to one using 2,000 lines. Dr Makoto Kikuchi, director of research at Sony, "We believe that the television set will become a much more complicated and much more sophisticated syscommunication systems of the future. So we must prepare. The seneral direction is to improve the picture lines and the picture

can best be exploited. Sony has decided that at this stage there is no consumer market for the video disc, although it is using the technology as a teaching aid. JVC, on the other hand, has just launched its own video disc in competition with the technologies of Philips of Holland

and RCA of America. The JVC video disc uses the changes in electrical capacitance, detected by a diamond stylus as it moves around the disc, as the means of extracting the information contained on it. Each disc, about the size of an struct it." LP, contains hundreds of tiny holes or puts which represent the encoded information contained on the record. The diamond stylus passes over the disc. rotates at between 750 and 900 rpm, depending on the television system — PAL for Britain and West Germany, SECAM for France, and NTSC According to Dr Kiloschip. for the United States and Japan.

The same players, properly adapted, can be used to play high quality audio discs. The main drive of the consumer electronic manufacturers is to cater for information dissemination, a market which has not yet been fully tapped anywhere in the world. The Japanese, with their talent for penetrating even the most competitive markets, as demonstrated by their success in the United States, wish to ensure that their products are internationally

To that end JVC, which has developed the world's first digital compact cassette capable of recording one hour on each side, is making strenous efforts to get agreement on an inter-national standard. The information on the cassette is so densely packed that music on it can be accompanied by still pictures or graphics. Sony has also launched a compact disc.

Both JVC and Sony technologies are to be developed in such a fashion that information culled from any source, whether it represents a picture, sound or information for a microcomput-Not all Japanese consumer en can be processed the same electronic manufacturers are way. The digital signal procesagreed on how the new market sing developed for the compact which will make many other developments possible.

"Digital signal processing will revolutionize many phases of electronics". Dr Kikuchi says. "The compact disc is the combination of two tech-nologies from Philips and Sony. The contribution by Sony is in the digital signal processing. For example, one signal is divided into, say, ten parts and these are distributed in different places. If part of the signal is missing then we can extrapolate and recon-

The results of the Japanese five-year programme on the technology of VLSI (very large scale integration) has been harnessed by the consumer electronics manufacturers. This VLSI technique allows large numbers of components to be

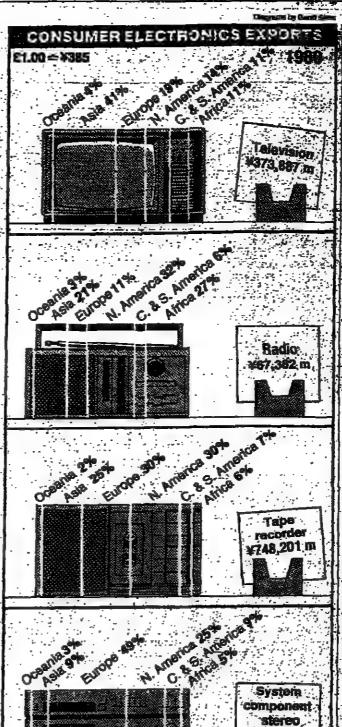
According to Dr Kikuchi: If we did not have VLSI this -(compact disc) could not be put into a small system. I believe that the future of the compact disc is very wide and that it will be improved in its operation by

the use of microprocessors".

The role of the home electronics devices will change in the near future as microcomputer penetration increases. The Sony-Philips compact disc technology could, like the JVC high density tape, become the storage area for information used by the home computer. Sony is currently engaged in researching that possibility. High density tape recording is

also being investigated by Sony.
Instead of the recording signal
being placed along the length of
the tape, the information is laid railway sleepers across the width of the tape using a technique salled perpendicular recording.

Opto-electronics will also ay a vital part in consumer electronics development. Digitalized electrical signals represented by light pulses not only. transmitted at high speed over



Thirty-four per cent of Japan's consumer electronic experis ted at high speed over went to Europe in 1980, 26 per cent to North America, 24 ic cables.

Bill Johnstone and South America, and four per cent to Oceania.

£ 400,125 m

design is the Scara assembly

robot developed by Dr. Hiroshi

Makino, of Yamanashi Univer-

sity. The Scara features only four "degrees of freedom," yet.

closely approaches the optimum

design in terms of the flexibility

and accuracy necessary for the majority of assembly tasks.

Trends in design are being greatly influenced by changes in

manufacturing requirements, where product cycles are be-

coming increasingly short and items are required in ever

smaller batches.

The ability to provide flexibility in the manufacturing

processes is thus of growing

importance in reducing equipment and investment costs and in increasing competitiveness, and is one of the reasons why

the introduction of cobots is seen to be so vital.

The ultimate goal in the assembly field is the achievement of the FMS (flexible

manufacturing system). Here, a certain level of conventional automation will probably remain, especially in the form of

#### How the office caught up with technology

The Japanese for more than; sponsored dozens of VA extu-most other people demonstrate bitions and faux the herd, instinct when a The boom because are necessity national consensus on some issue of new development seises. This trait explains in part a far reading (though some-what fanciful) 1980 Ministry of international Trade and Indus-ry "vision" for Japan in the 1990s as a future "information why Japanese businesses, for the past three years, have been stampeded into what is dubbed the office automation or OA society". The concept covers all aspects of life in Japan

The consensus was, and is, aspects of life in Japan-thar Japan has seriously behind including factory automation in improving the productivity and modernizing the distriof its white collar work force, the "salarymen", and "office ladies", who still are obliged to pour green tea when visitors

With stable, but low, growth ahead, managers could no longer ignore the office. Fortunately, this conclusion coincided with the development. of technology which transformed Japan's large electrical companies into world-class inders in microelectronics, the foundation on which office automation is now strategically.

Like many past booms in Japan, this one was sparked by what had happened in the United States In 1977 an American researcher shocked the Japanese business com-munity with a study indicating that during the 1960s, before office automation took hold, American productivity in manufacturing rose by 90 per cest. Office productivity, how-ever, increased by only four per

The handwriting so to speak, was on the wall Japanese business had been through one computerization boom, dubbed the MIS boom for management information systems. This began in 1965 and ran out of steam three years later except in such industries as banking and insurance. In any case, MIS was more concerned with putting information in the hands of management not making clerical staff more efficient.

Looking around their overstaffed deadquarters and cum-become procedures in the late 1970s sowever Japanese managers concluded that Japan's performance on productivity was probably identical

decade sanier

In 1979 there were only 1 000

In 1979 there were only 1 000

Even the NEC Corporation, the biggest in the business, admitts being being been in farming by in the business, admitts being being been in farming one compared with 470,000 in the Compared with 150 in the business of a point system. The mode of a point system. The mode of a point system in the medium size companies will be even more difficult.

America Flore was one small difficult.

America Flore was one small difficult.

The potential buyer still faces regulations by the Ministry of Posts and Telecommunications.

States One of this few biggs. States. One of the few fittings Japan led in was facsimile machines: which can transmit

The gap has much to do with

few exceptions the fight especially for personal com-

uals) to facsimile machines. By according to the OA institute.
The OA industry consists of half a dozen makers of large, scale integrators, six producers of business computers, 30 companies making personal computers (not all brand names, however), 47 companies offering 160 varieties of a Japanese language word pro-cessor, 10 makers of facsimile

The boom began in earnest in

1980, when the increment was enshrined by the government in

bution system....

Virtually every electronic equipment manufacturer has

since joined in, for good reason. While traditional items like

television sets and washing machines had reached a peak

the OA market grew fron all, to an expected 1,000,000m yen (about £2,625m) in sales of

everything from personal and

business computers. (nearly all

personal computer sales are to

machines, and five companies in the telecommunications Competition is fierce. With

puters (now growing by 30 per cent a year), word processors (up 200 per cent per year), is a domestic affair. Foreign companies have taken only a small share of the Japanese market. Likewise, Japanese attempts to branch into such fertile markets as the United States have met with little success. The barrier for both sides is computer software, by far OA's most critical problem in Japan, and each other's language.

The ideal total system for a Japanese company - none so farprocess, store and finally give the answer in Japanese. Not is

limiting the use for data transmission (including - facthages including the Japanese simile) of such things as language, by relephone nelephones in private tranch exchanges. Standardization is the differences in Japanese and still nascent. The results are than



produced a see-saw flurry of nterest in the last few years.

There are few job descriptions when people are taken on by a Japanese company. Hence the difficulty in coming up with, my computer work stations designed for people with specific functions. Whereas American managers like to work in separate offices, communicating through secretaries, Japanese offices are open groupings where, most communication is verbal, not in the form of memos, and files of documents

Nevertheless, managers and manufacturers alike saw that future technology could help solve such pressing problems as working in a very inefficient mother tongue. Notable achievements could be cited in areas where automation pursued vigorously.

OA thus became a sort of rallying call for movement do to Japan's still relatively even if directions were not stable employment system of clearly defined. A quango called management style, remains to clearly defined. A quango called the Institute of Office Auto-Industry associations

United States management buying has tended to be style, a topic which has itself piecemeal so far. Advances are being made,

slowly in the area of software, though more rapidly in the area of Japanese language word processing. The problems re-volve around how to input the language. One recent solution is characters as they are written on tried. How to get the machine to answer questions using Japanese characters, selected from a range of tens of thousands of possibilities, is a separate

By 1990, however, the Japanese office should look quite different. The number of work stations off all types linking people to office systems should have improved to about one to four by then instead of the one to twenty or thirty now, according to Mr Hitoshi Wata-

nabe, vice-president of NEC.
What office automation will

Richard Hanson

#### The onward march of the robots

The Japanese and phosphologists of an attempt to world's greatest robot enthusiasts. In only 15 years, since Japan's first deal to import robot technology from the pioneering US company Uni-mation, the nation has built up an impressive total of more than 150 robot manufacturers and has installed two to three

10,000 and 15,000 units, while Japanese estimates are more often in the region of 80,000 to 100,000

The discrepancy lies in the fact that the Japanese are the world's worst at labelling even such things as overhead cranes in the West. This can be times as many robots as the United States itself, and 10 attribute necessary for robot times as many as West Germany, its closest European rival.

The exact number of units in a variety of tasks. Sometimes, companies where necessary for many its closest for robot that in Japan robots have been protection offered by their introduced within an environment of units in a variety of tasks. Sometimes, companies where necessary for robot that in Japan robots have been protection offered by their introduced within an environment of units in a variety of tasks. Sometimes, companies where necessary for robot that in Japan robots have been protection offered by their introduced within an environment of comparatively smooth and low to alternative jobs where necessary for robot that in Japan robots have been protection offered by their introduced within an environment of comparatively smooth and low to alternative jobs where necessary for robot that in Japan robots have been protection offered by their introduced within an environment of comparatively smooth and low to alternative jobs where necessary for robot that in Japan robots have been protection offered by their introduced within an environment of comparatively smooth and low to alternative jobs where necessary for robot that in Japan robots have been protection offered by their introduced within an environment of comparatively smooth and readily acceptable to alternative jobs where necessary for robot that in Japan robots have been protection offered by their introduced within an environment of comparatively smooth and readily acceptable to alternative jobs where necessary for robot that in Japan robots have been protection offered by their introduced within an environment of comparatively smooth and readily acceptable to alternative jobs where necessary for robots have been protection.

boost sales of an otherwise unimpressive product. Both tendencies reinforce the notion that, for the Japanese, robots have a favourable image.

There have been few signs in Japan of the fears about the introduction of robots common operation is hard to estimate in Japan, this is an innocent unemployment, combined with ary. The Japanese have also because of problems of defi- over-liberal use of the word, good labour-management re-

The bikini-size video.

"sold" robots skilfully by stressing their benefits, such as the freeing of workers from dirty and dangerous jobs, and by avoiding any direct linkage with suspension of employ-

This has worked especially well in large companies where grown to like their international

status as leaders in robotics "arm," waving varying degre applications, and well-publi- of dexterity, or suspende cized research on the use of within a box-like frame. Design robots for such chores as ers have sought a configuration nuclear, power station inspect which offers flexible access tion work and coal-mining has across the widest floxshile work helped to nurture the public's table, while keeping was repositive attitudes. One of the latest such robot itself to a minimum; an

projects is being coordinated by especially important consider-the Ministry of International atton in Japan, where factory Trade and Industry, and calls space is often very limited. for an expenditure of 20,000m yen (about £52m) over the next. eight years on the development of robots for use in hazardous

Only recently, however, have: the Japanese finally started having doubts about the onward march of robots. A survey of 1,568 business corporations in April by the

Economic Planning Agency found that 13.2 per cent of manufacturers believed that employment would decline sharply, and 69.4 per cent-believed it would decline to some extent, in the foresceable future, as a direct result of robot

It is also now recognized that small companies are increasing-ly using robots to reduce labour costs, and workers laid off in this sector often have little union protection against dis-missals. The spirit of compromise prevails, however, as illustrated by a unique agreement signed between Nissan

This March the vehicle full consideration to the possible impact on its employees when new technology is intro-duced, and agreed it would "not fire or lay off any of its employees for reasons con-cerned with the introduction of

technological innovations."

Even the policy document on the subject issued by Sobyo, the general council of trade unious of Japan, acknowledges that restricting introduction of new technology . . . often involves difficulties, as such technology is usually adopted in the midst of severe inter-firm competition" and advises flexibility on

roposal was made, last year, by he Komeito opposition party, which called for a "robot tax" to be levied to compensate affected employees, but no action has been forthcoming. Robots were first used in

clume in Japan in the motor ndustry. Initially these were mainly welding robots, but in recent years more and more of the assembly lines are being automated by the addition of spray-painting and scaling units. In some of the most advanced factories inspection only substantial task remaining for humans, and even some of these jobs will soon be automateri as improved sensor devices and monitoring systems are gradually added.

processes. Assembly robuts their biggest concern these days have arrived in a variety of is that they do not fall at the shapes and forms, but usually software hurdle. feature some sort of handling device either built on to an

operate in combination with an assortment of handling and assembly robots, linked to advanced electronics control There have already been big advances in this direction. of NC (numerical control) machines, the reprogrammable electronic control which direct the robot's operations, and several factories are now experimenting with systems capable of 24-hour unmanned operations.

Japan holds a lead in terms of the diversity of its robot applications, and has amassed a wealth of experience across a wide range of development work But despite this progress, most of its technology is based on US imports. In addition, the control systems and other software necessary for the management of robots have now become a more crucial development requirement than the hardware itself. .

Aware of this trend, Japan is already diverting more research and development to software programmes, and to research into such fields as vision and ultra-sound sensors which will make robots more "intelligent". Japan is also entering into more international tie-ups involving The fastest growing area of international tie-ups involving robot installation at present is technology exchange. The Japa-in manufacturing industries, nese themselves believe that the where the principal challenge is US, in particular, remains a in the robotization of assembly formidable competitor, and

Roy Garner

IVC's new HR-C3 portable video recorder is everything a portable video recorder should be. It's very, very light ... video recorder you can by using a just over 5 pounds It's very, very small ... cassette adaptor. about 7x3x8 inches. JVC have managed to make the HR-C3 so small because they've developed a new system, VHS(C). With VHS(C) you use cassenes that

are one third the size of normal VHS

cassettes. They're light and easy to carry

JVC introduce VHS(C)...and their lightest, smallest portable video ever. IVC dealer - you'll hardly around, but if you want to record or know you've got it on! play them back on a standard VHS

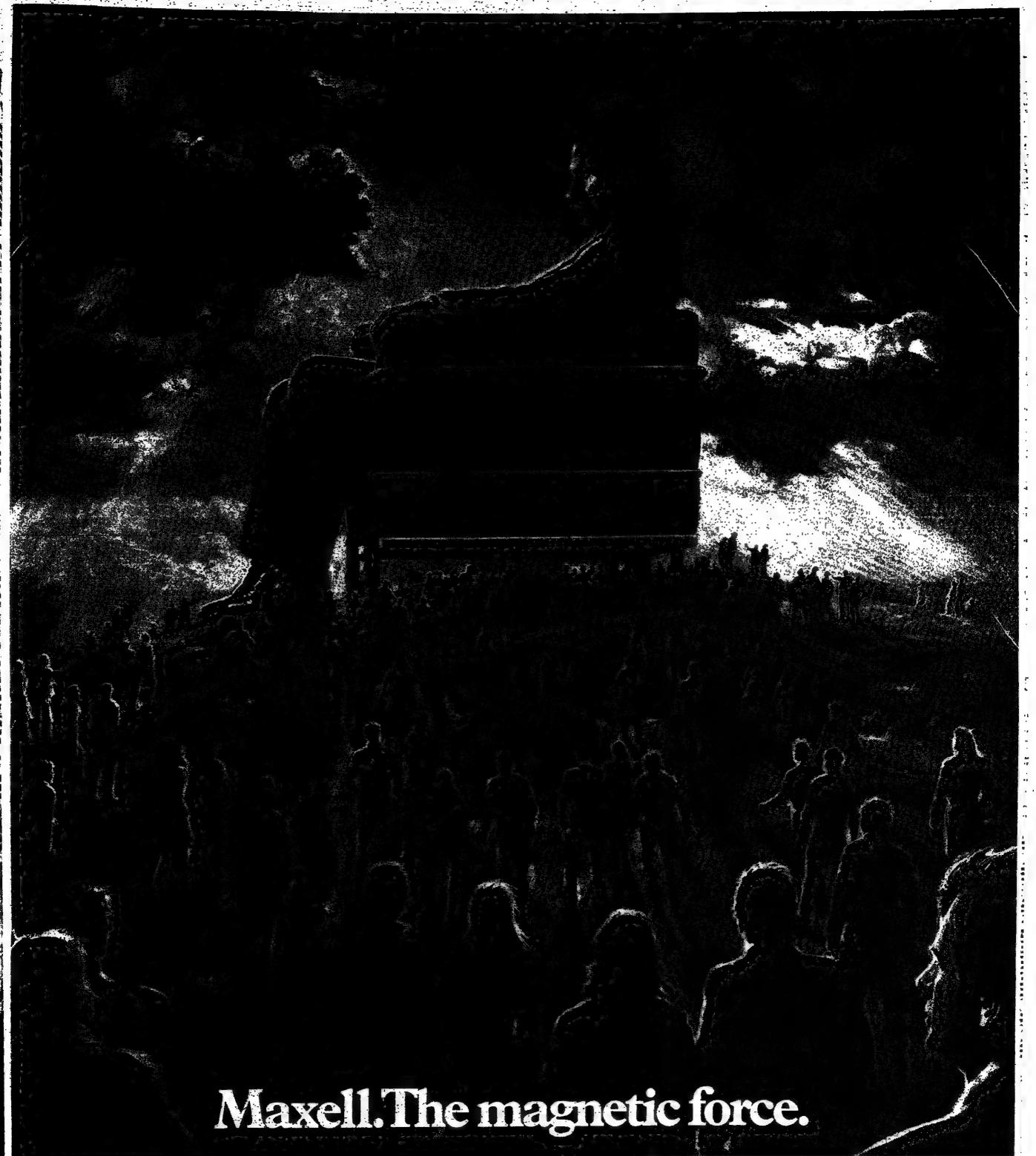
> Despite its lack of inches the HR-C3 has high speed shuttle search, automatic backspace editing

and the capacity for audio dubbing It's even got remote control. own lightweight rechargeable Ni-Cd

battery pack, or through the optional mains or car battery adaptors.
Pick up the HR-C3 at your local

You can play the HR-C3 off its . Your guide to the best in video.

office up nolog



In April 1984 a major new force reaches the U.K., the £25 million Maxell video tape plant opens for business in Telford, Shropshire

The building of the factory says much about Maxell's commitment to the U.K., the remarkable success of Maxell's advertising here, and the phenomenal growth of the company since it started in Japan in 1961.

Currently Maxell is Japan's fastestgrowing company, exporting some 60% of its products throughout the world, and achieving sales last year in excess of 133 billion yen.

The Telford plant supplements Maxell's factories in Japan and in Georgia, U.S.A; the company also has sales offices in Tokyo and other major Japanese cities, New York,

Dusseldorf, Copenhagen, Amsterdam, Hong Kong, Singapore and Kuwait.

Vickers Da Costa, stockbrokers specialising in Far East industry, have this to say

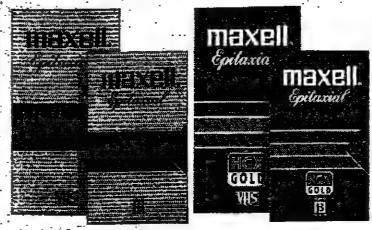
about Maxell: "Maxell have the advantage of excellent brand image gained in audio tape markets and certainly the best magnetic materials technology in Japan...we expect the best growth to be achieved by Maxell"

Maxell's success is based not merely on its superior technology and

the quality of its products, but also an excellent team spirit at all levels, equal opportunities to achieve senior positions, and a common determination to succeed.

In opening a factory in the U.K., Maxell will not merely be moving to the country with the highest growth in video tapes, but forming a base for all their video exports to the EEC.

It's a move which will consolidate Maxell's success to date, and bring real benefits to the U.K. economy.



Maxe and the sex hallow the order of the sex hallow the sex hall

**្ត្រី** ដោងប

The latest and most ambitious Japanese electronics project, which has captured the atten-tion of the industrialized countries, is the so called Fifth Generation Computer. The tenyear programme, which began last year and has motivated the British into an attempt at emulation, could mean a ing correctly to voice com-revolution in computer tech-mands, where the same word

Neumann, the man credited the computer. with inventing the computer system on which the present designs are based, requires to be revamped. The change is revamped. The change is searched and co-ordinated by necessary because computers the members of the pew will be used in the future by institute. They are the govern-ordinary people with minimum ment's Electrotechnical Laboraor no technical education.

ation Computer Technology public telecommunications (ICOT), which was created in company, and eight privately April 1982 to spearhead the Japanese effort in this field, says; "An environment will have to be created in which easy to communicate freely using a wide variety of infortext and graphics, representing development. man's natural ways of communicating information".

devices will have an in-built end of the century. Data must and Toshiba produced the intelligence, or artificial intelli- be able to be fed into the system gence (AI), allowing them to without the need of complex Mitsubishi the COSMOS series, make decisions based on their input procedures. That can be The second phase of that experiences and memory. This achieved by sophisticated op- programme was even more

Keyboard

Biotechnology, or genetic engin-cering, has been "targeted" by Japan, as well as other nations,

#### The computer that thinks for itself

could be said dozens of different The original idea of Von ways but must be acceptable to

The Fifth Generation Computer project was launched last year and is now being retory (ETL). Nippon Telegraph The Institute for New Gener- and Telephone (NTT), the

owned corporations - Fujitsu. Nippon Electric Corporation (NEC), Hitachi, Mitsubishi, Toshiba, Oki, Matsushita and man and the computer find it Sharp. The project, which is Sharp. The project, which is tration on a single microchip, expected to cost at least yen and the third, which is still in 100,000 million (about £262m), mation media, such as speech, is divided into three phases of

Japan embarked on the road Computer project over a decade ago, when its semiconductor and computer manufacturers set out to compete with the electronic market leaders in the United States. To achieve that, another three-phased project, each phase about four of five years in length, was launched.

The first was to develop Japan into line with the US, the second, which finished in 1980, was to develop Very Large Scale Integration (VLSI) chip technology, allowing high concenprogress, was to develop sophisticated software. The first part These phases are meant to computer/semiconductor ensure that a gradual design of a manufacturers. Fujitsu, in part-super user friendly computer nership with Hitachi, designed This generic change in com- 'super user friendly' computer nership with Hitachi, designed puter design means that the system will take place before the 'M' series computers. NEC ACOS system, and Oki and

partnership and NEC and Toshiba in another were able to towards its Fifth Generation produce the technology which Computer project over a decade would allow 256,000 bits of information to be concentrated on a microchip. That product is called the 256K RAM (Random

Access Memory).
The Fifth Generation Comouter project is typical of the long-term planning which has successfully guided Japanese industry over the last 20 years ordinary computers to bring and frustrated Western competitors at the same time.

According to ICOT: "In

Japan, research and develop-

ment has hitherto been aimed at catching up with the tech-nologies of the US and the advanced European, nations. With Japanese technical achievements, however, the US required the cooperation of six and the advanced European nations have become wary of providing leading technologies and we fear that the old style of catching-up research and devel-

Japan wishes to encourage international co-operation at an early stage so that any computer would be necessary in respond-tical character reading - either successful. By 1980, Fujitsu, system which may result from

opment will become more and

more difficult?

OF THE NON-TECHNICAL USER

Expert decision make

Engineering advice

Control automation

Design microchips

Information source

Medical advice

Electronic mail

the project would have export potential. It has, however, resisted the temptation to segregate the project and have specific research pursued by particular countries. According to ICOT, the project is "des-tined to provide Japan with the role of promoting the development of leading and innovative technologies ahead of the rest of the world".

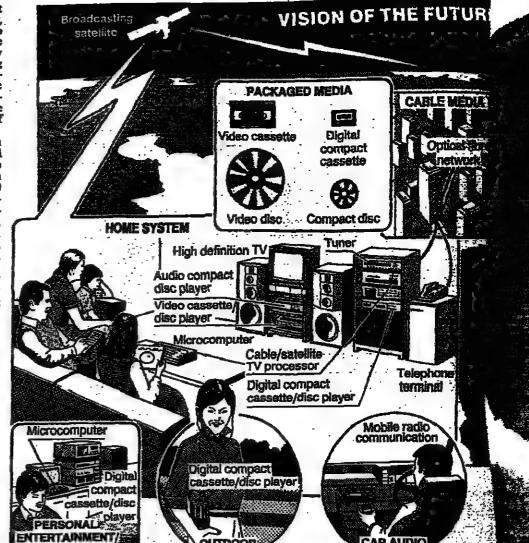
Many representatives from the developed world converged on Tokyo last October to discuss the Fifth Generation Computer project. About 100 university researchers, enginects and government represen-tatives from 14 countries, including the United States, Britain, West Germany, France, Canada, Italy and Sweden, attended.

In parallel with this visionary project the Japanese are actively researching to improve existing technology and build what are called super-computers.

There is a sharp contrast between the users of the Fifth Generation Computers and those of the super-computers. The former will be able to be used by, in fact are designed for. whereas the super-computers are to be designed and built for the professionals who find the current speed of computation

Typical areas where they would be used, because computational time is measured in hundreds of hours, are acrospace, in serodynamic simu-ation of sircraft design; nuclear technology, in the analysis of the safety of nuclear reactors; and in sophisticated atmosphe

The first and most important part of the super-computer research is identifying new materials which can be used in narallel with silicon to speed up he computational processes. The use of gallium arsenide as a emiconductor material is being researched by almost every Japanese electronics company. The material is able to compute



The home of the future will become the nucleus of entertainment and be used for business a far greater degree than before. Eventually people may work regularly from hom connected by cable or satellite to their office.

higher frequency. Fujitsu has sone a stage further by invent-ing a gallium arsenide "sand-wich." The device is called a

WORKSTATION

liquid nitrogen temperature of minus 196 degrees C. Both devices are able to function at high electron mobility transistor high speed because of their (HEMT) and works as fast as its superconductivity at low temhigh speed because of their

junction, when operated at

Both the HEMT and 1 Josephson junction requ cooling. These are the cruc areas of research for the succe

Bill Johnston

#### at high speed and to operate at a A rapid advance in biological wizardry

as one of the most promising 'new" industries for the two final decades of the twentieth century. After what was perceived as a slow start, Japan is finding the gap between itself and the West is much smaller than many suspected. The fruits of genetic engineering - such wonder drugs as artificially produced Interferon and insulin - are still in the testing stage in Japan. It is now

thought by many, however, that some traditionally strong industries, like fermentation of rice into sake and soyabeans into curd, provide a more useful stepping stone into advanced molecular biology than was previously thought

In size Japan's pharmaceutino match for the giants of the essential amino acids that West. They have, however, cannot be synthesized by the

boasts the biggest producers of but much of the world's feed antibiotics in the world. One grain now depends on it. little recognized, but nearly unique, advantage a number of

FIFTH

GENERATION

COMPUTER

these companies possess is a scale production of Beta-Interdiversified product line, stretching across all the potential boundaries of genetic engineering. It is not uncommon to find food and beverage, chemical and pharmaceutical divisions panies are following suit. coexisting comfortably under Biotechnology has enjoyed a one roof.

fermented L-Lysine, ranked as

honed their skills, and in some human body. That was con-areas are world leaders. Japan sidered impossible at the time,

Kyowa was the first in Japan to receive approval for large feron. Developed with Genen-tech, of the US, it began clinical tests for viruses and cancer on human beings at ten hospitals in April Other Japanese com-

Such is the case at Kyowa during the last tew years.

Hakko, a leader in fermentation as a convenient tag for the securities industry, as it boosted to the securities industry. the stocks of an array of so-called "high-tech" companies. cal and chemicals industries are the most important of the eight Japanese interest was sparked by reports of cancer cures in the United States. One company in

particular, Genentech, a pioneer in Interferon, in which Japanese companies have a stake, produced a spectacular public stock

Advances in biotechnology have been much more rapid than previously expected, both inside and outside Japan. The response to "biotechnology fever", as one official describe it, has been to stir a number of government agencies and min-istries into action. Nearly all the government sections mandated to look at biotechno-

logy are less than a year old. About a dozen companies are iling ahead in research and development, either on their own or in cooperation with foreign companies. However, at of fundamental research is organized by MITI and de-a general level, businessmen considered Japan's Achilles' signed to establish a consensus a general level, businessmen

and government officials are still at the stage of organizing integrated and systematic research and development activities. The first order of business has been to identify the weaknesses which Japan must overcome. One critical factor was the slowness of the government itself in drawing up appropriate guidelines and standards for conducting recombinant DNA experiments. The National Institutes of Health in

the United States announced

their guidelines in 1976. Similar

guidelines were not released in

In addition, companies have

Japan until 1979.

heel. One compensating factor, however, has been the contribution of Japanese researchers working abroad in developing biotechnology who have in some cases facilitated techno-logical transfers back to Japan.

A look at how Japan is organizing itself, however, is instructive in the light of its record of building "high-tech" industries into world class competitors. Biotechnology has weighed on the mind of the Ministry of International Trade and Industry (MITI) for several years. It was selected in the latter half of the 1970s as an officially designated "next genan insufficient number of eration industry", after an competent researchers. A lack exhaustive national "think-in" signed to establish a consensus

on which strategic industries needed help.

MITI, whose job it is to set these type of "visions" of industrial policy, came up with three, the other two being new materials (fine ceramics, for one) and new electronics (leap-frogging into fifth generation computers).

For biotechnology, it has established three projects, each lasting nine or ten years, which involve a large number of private companies and government laboratories in research on recombinant DNA, the centre of most attention because of its potentially wide applications in medicine and beyond, bioreactors, and large-scale mammalia

cell cultures. Of the yen 104,000m (£280m)

MITI would like to spend the next generation of industr this decade, over yen 30,000 should go to biotechnolo Compared with past MI projects, this is a modest sur especially since the gover ment's "seed money" is to spread among a very lar number of companies.

This is not the only mon the government will spend biotechnology, however, T Science and Technology Age cy. Ministry of Health a Welfare, Ministry of Education Ministry of Agriculture a assorted quangos also ha budgets, though most of the

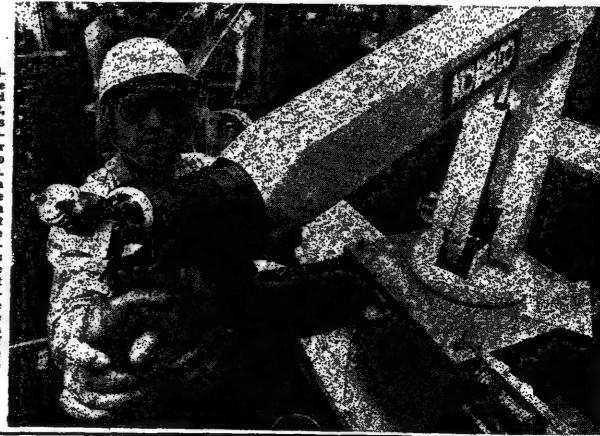
ue small One very rough guess is the total will be about £30m the year, £10m more than the st Britain. What is certain is ti private industry, without mu urging will be spending or siderably more.

Richard Hanse



#### **Playing** the game

While other chil-dren of their age pictures and the alphabet, the five-year-olds (left) at a kindergarin Tomizu near Tokyo learn how to operate computers. On the right a worker puts the finishing touch to a robot in a plant belonging to Kobe Steel. In both computers and robots among the front runners in the technology race with the West. They are working on a "fifth generation' commuters and have installed robots than any





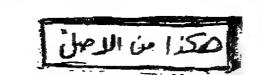


A Government Financial Institution

Supplying long-term funds primarily for the promotion of energy, technology, urban and regional development projects in Japan. Foreign-owned companies involved in projects, consistent with JDB's policy may also be eligible for loans.

Total Assets: US\$23,376 Million

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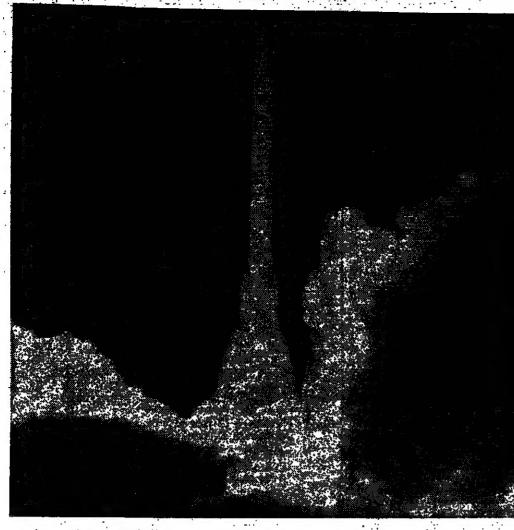


ASAN

per hand

usued in 1983

#### Going into orbit with a technical first in satellites







The International Exposition Tsukuba. Japan. 1985

Present, past and future. Blast-off for Japan's first operational communications satellite from Tanegashima Island last February (left). The 350 kg satellite is equipped with a communication capacity equal to more than 3,000 telephone circuits. Its forerunner was the Kiku satellite (centre), launched in 1978. On a more earthly level (left), the theme of Expo '85, an international exhibition to be held in Tsukuba in two years' time, will be the technological revolution in the home.

On February 4 the Japanese took an important step towards harnessing their budding space technology. Using their own rocket, the N-11, they launched their first operational communications satellite. CS-2s, into geostationary orbit (36,000km above the earth) from Tane-gashima Space Centre, on Kyushu's Tanegashima Island. In August a second satellite, CS-2b, will be put into orbit and thus complete an important stage in Japanese telecommuni-

वर्गाती देव सम्बद्ध कि किन्हें

Richardie

Although small in comparison to satellites launched over America and those soon to be in orbit over Europe, the satellite Hughes.
is a technical first. The craft is The CS-2 series satellites are using what is termed quasimillimetre wave technology.

These radio waves are shorter than those of microwave — rocket can lift into geostationa—

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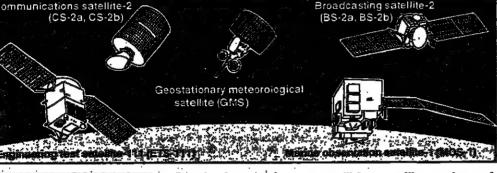
The service of microwave — rocket can lift into geostationa—

The service of microwave — rocket can which will also be used by the ty orbit. The satellite will have satellite for communication - six quasi-millimetre wave tranand they do not interfere with sponders, each capable of microwaves. That feature is externely important since Japan uses microwave links quite

Telephone) has been conducting scientific, meteorological testintensive research into satellite ing broadcasting and comuse since 1967. By 1972 that satellites will have been laun-research had been concentrated, ched for engineering, broadcastat the corporation's laboratory ing meteorological and marine at Yokosuka. An experimental

was the forerunner of the present series and allowed NTT to conduct its final tests on microwave and quasi-millimetre waves.

is very much in its infancy and the technological expertise broadcasting satellite is to be, which is now being developed launched at least two years after in the country has evolved with the first.



when the Space Activities Commission (SAC), formed a

decade earlier to advise the

vide the framework for the

The Science and Technology

Agency (STA), a secretariat of

SAC, runs a research laboratory,

the National Aerospace Labora-tory (NAL), at Kakuda, Other

research is carried out by the Institute of Space and Astro-

nautical Science (ISAS) formed

in April 1981 to take over the

research conducted previously

by a similar organization based

- principally General Electric, RCA, Ford Aerospace and

carrying 480 telephone circuits. There will also be two microwave transponders equivalent

extensively in its communi- to 192 telephone circuits.

cations network. Since 1970 22 satellizes have cations network. Since 1970.22 satellites have NTT (Nippon Telegraph and been successfully launched for

launched in 1977 by the United States on a Delta rocket.

The satellite, named Sakura, was the forerunner of the four television channels. The By 1982 wen 850,000m (a) national broadcasting corpor-ation of Japan (NHK) will operate two channels, a new open university is expected to The space industry in Japan be given another and the fourth very much in its infancy and will be commercial. A second

By 1982 yen 850,000m (about £2.207m) had been spent by all agencies on space development, about one thirtieth of the US's expenditure and much less than that of the European nations. been growing steadily since

The communications satellite series will be part of the advanced communications system which Japan is creating. It will also give the country an emergency system in the event of any natural disaster which breaks terrestrial communication links.

According to NTT, the satellite communications sys-tem is meant to provide a backup during an earthquake or typhoon; vastly improve the communication links between the mainland and outlying islands and provide a means of a national communications

On the ground, picking up satellite signals, will be fixed and mobile stations. The latter can easily be lifted by helicopter and relocated. The stations will have microwave and quasi-mil-limetre links. In addition, there

Chiba, and a satellite communication control station in Tokyo. The weight limitation of its rockets may not seriously hinder Japan's progress

of Japan's Space Development Policy, it set out the basic philosophy which was to prothe industry imagine that a network of small satellites could be as effective and economic as larger satellites. Japanese space programme for

family of 'M' rockets which are organizations in Japan involved in researching different aspects of space and satelite technology. used for launching scientific setclites with a payload up to

> The rocket was developed by the Institute of Space and Astronautical Science. The N-1 and the N-II developed by the National Space Development Agency of Japan (NASDA) for lifting satellites weighing up to 350 kilograms into geostationary orbit. A new series being developed called the H-1 will be used to launch much larger satellites into orbit.

Japan plans to use the H-I to aunch another communi-cations satellite, CS-3, in 1987. The craft will be considerably larger than the CS-2s, weighing 550 kilograms and having a capacity for 6,000 telephone circuits. NTT has already begun researching into the design of another satellite which will have up to 200,000 telephone cir-

America remains the most important influence on Japa-nese space industry. The two joint projects and a Japanese astronant is due to go on the US Space Shuttle in 1988 to conduct metal alloy tests in non-gravitational environment. NASDA also receives and processes the data from the lites, Landsat 2 and 3, operated by the National Aeronautical Space Administration (NASA).

Inspired by this, the Japanese are developing their own remote sensing satellite, MOS-1, which is scheduled for launch within two years.

#### Wiring up the country with minute strands of glass

particular the advisers from the Ministry of Posts and Telecommunications, have been watching with interest the progress of British Telecom during the British government's liberalization programme and have been making plans accordingly for their state-owned corporation, Nippon Telegraph and Telehone (NTT).

The monopoly enjoyed by NTT for 30 years is destined to be broken and the corporation dissected into a number of local operating companies. More foreign competition is to be encouraged, to act as a catalyst

The main thrust of the NTT is to expand existing circuits and develop a highly sophisticated national communications network. The prinan Information Network Sys-tem (INS), by which most of the country will be wired with high capacity cable, using fibre optics extensively.

This type of cable, made from minute strands of glass, is capable of transmitting between 320m and 1,000m pulses a second, equivalent to a load of 500 to 1,500 telephone circuits.

INS is the most important project in Japanese telecommunications this decade and is meant not only to stimulate NTT's desire to exploit innovation in fibre optic technology but also to provide high-speed communication links between homes and offices which will in business electronics market.

By the end of the century the INS network will be entirely digital, providing homes and offices with connexions to high speed data, facsimile, telephone and video circuits. This digital technology is fundamental to development in Japan over the next decade or two. In the meantime, NTT's

monopoly survives. Two and a half years ago an agreement signed by the Japanese and the American governments was supposed to encourage more foreign manufacturers to supply telecommunications not changed significantly. In 1981 the volume of foreign equipment purchased by NTT

amounted to yen 8,800m (about Yokosuka and Ibaraki. The controlling large volumes of f23m), of which yen 7,000m major projects include investing information including visual was provided by United States gain into the structure of suppliers. Last year, out of a communications networks, digitotal of yen 11,500m, the United States supplied yen 9,800m. Foreign supply represented about 2 per cent of all equipment procured. The figure is expected to rise to 5 per cent by the end of this year.

In September 1981 the Japanese and the British signed an agreement to encourage technological transfer in telecommunications. As a consements have been signed or are under discussion between Ansafone and NEC, GEC Telecoms and Hitachi, Plessey and Nittsuko, Racal and Hitachi, and government's policy and that of Thorn-EMI and Fujitsu. However, there is still a substantial trade deficit in telecommunications equipment between the UK and Japan, In 1980 yen cipal project designed to meet 338m worth of such equipment that end is the construction of went from the UK to Japan. In 1981 that figure grew to yen 584m but dropped to yen 496m

in 1982. Telecommunications ducts exported from Japan to the UK in 1980 were worth yen 4,062m, in 1981 yen 5,904m and in the following year, yen 7.072m.

The new INS programme and the optoelectronics required to service the network may provide opportunities for foreign suppliers. If NTT losses its monopoly, even more oppor-tunities could result. But the Japanese are determined not to rely on foreign technology. An improved network by 1985 will have been created at the cost of yen 5,000,000m. NTT itself is carrying out a

great deal of research at its three main laboratories. About 2 per cent of the corporation's \$17,000m turnover is allocated each year to R&D. The three laboratories are in Musashino,

tal switching technology, digital transmission technology, optical fibres, data process visual and radio communications and microchip tech-

In parallel with the NTT projects is another research



Information network system (INS)

programme in optoelectronics inspired by MiTI's Agency of, Industrial Science and Technology. The eight-year programme, with a budget of yen 18,000m, will be completed by the end of 1986.

The project is intended to "develop optical technology for measuring, monitoring and

estate or large plant, even in adverse industrial environments with electromagnetic interference or gases".

If refined, the technology

could be used by the Japanese for remote control and monitoring of hostile industrial environments, thus protecting workers from danger, just as today robots are used for paint spraying and welding.

To make the project a reality, research is being conducted into optoelectronic semiconductors, light emitting electronic elements such as laser diodes and transmission elements such as fibres, optical sensors and

One of the products which will be carried by the INS is the Japanese videotex system called Captain (Character and Pattern i elephone Access Network) system. The design has been under test since 1979 in Tokyo and is due to go into commercial service next year. The project is the brainchild of the Ministry of Posts and Telecommunications (MPT) and Nippon Telegraph and Telephone (NTT).

Captain has more than 200,000 pages of information and is similar to the Prestel system operated by British Telecom and that run by Bildschirmtext of West Germany. However, the technology required by the Japanese had to be different to cater for the 3,000 kanji characters in the Japanese script. The character and the graphic generators in the British and German systems are in the home terminals while the Japanese system has them located at the systems control

#### Gain the upper hand

Winning requires a far-sighted strategy. A keen sense of timing.

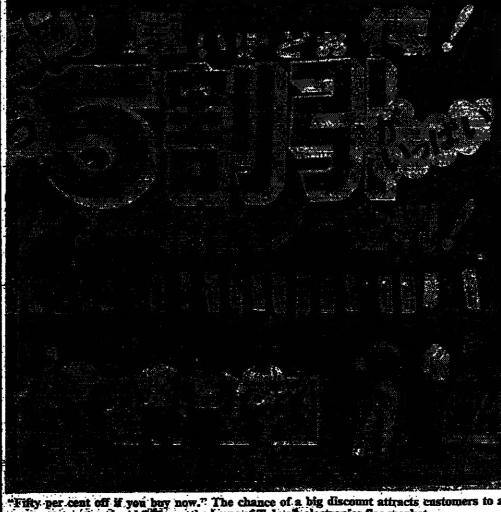
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wherever you want it to go. Better.



#### Where ceramics aren't pottery

Fine ceramics which are being extensively researched in Japan are showing that their physical and chemical characteristics can he harnessed to improve the performance of electronic and mechanical components.

The materials, because of their extremely high melting point - above 1500 degrees Centigrade - are ideally suited for use in automotive engines, while the case with which they can be shaped and machined into complicated designs and given a polished finish makes them attractive to the manufacturers of electronic components.

Fine ceramics are synthesised using pure, non-metallic and inorganic substances. Pottery. brick and cement are examples of the materials used to make ordinary ceramics, while fine ceramics are manufactured by producing metal oxides, nitrides and carbides by combining the metal with exygen, nitrogen and carbon dioxide gas respectively.

The high melting point of the materials has already proved to be an asset in mechanical engineering in Japan and is the feature which the automotive industry seems most keen on exploiting. Kyoto Ceramic, which was renamed Kyocera Corporation last October, has been experimenting with a three-cylinder diesel engine made from ceramics. The company has also been experimenting with ceramics in the maufacture of glow plugs, which are used in diesel engines to warm the engine chamber and start the engine. The company has been working with Isuzu Motors on this project, and the plugs are being used in the Germani car models.

NGK insulators, one of Japan's leading ceramic companies, has been working with Cummins of the United States to produce a ceramic diesel

The properties of fine ceramics are particularly attractive to the makers of diesel engines or other engines which burn at temperatures higher than that of an ordinary petrol driven engine. Diesel does not ignite until it has reached over 900 degrees Centigrade.

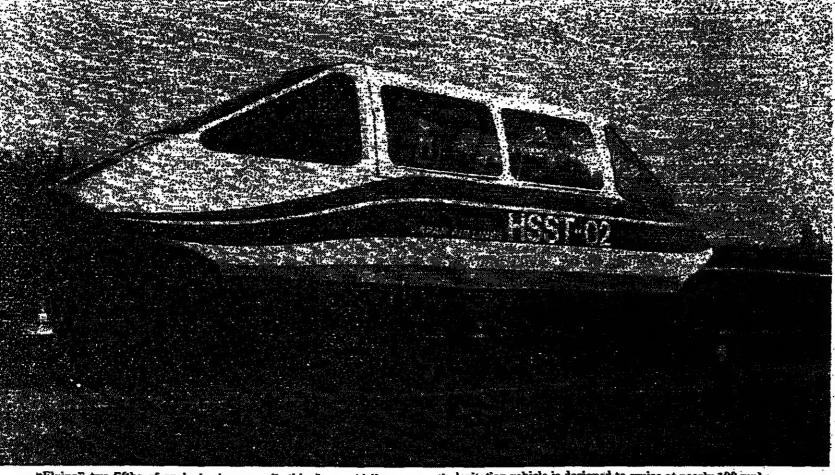
The efficiency of the engine and the substantial improvement in power to weight ratio which would be achieved using ceramics are two of the research. Another feature exciting car designers is that ceramic needs no cooling and would, if used extensively, lead to a completely new design of ear which might prove even more acrodynamically efficient.

In electronics and electrical answer to the untiring demands engineering fine ceramics are of the market for a car with used as mountings for micro- something "new". components. Their effectiveness as an insulator even at high temperatures is one of the material's principal properties being exploited by Japan's booming electronics industry.

Other characteristics include resistance against wear, since the materials are frequently nearly as hard as diamonds, and resist corrosion because they are not affected by water, air, acid or alkalt. Also the materials can he used on a minute scale, thus making the miniaturisation of electronic components equipment simpler.

The material is now used in hi-fi speakers, telephones, the compact audio disc, personal computers and as a high quality

Bill Johnstone the technologies seen to be crucial to the future improve-



"Flying" two-fifths of an inch above a rail, this Japan Airlines magnetic levitation vehicle is designed to cruise at nearly 190 mph.

#### Not a car, not a train, not a plane

Visitors to Japan's 1985 technology exhibition at Tsukuba confirmed the viability of the near Tokyo will be able to "fly" vehicle's mag-lev technology. A through the site at an altitude of commercial version would cruise of intensive electric magnets precisely the distance between a than 220 passengers. special track and the magnetic modules which levitate Japan Airlines' (JAL) HSST-03, one of the most advanced magnetic levitation (mag-lev) vehicles in

"It's not a car, not a train, not a plane." says a promotion film for the HSST, which stands for high speed surface transport. It is a linear motor propelled electromagnetic levitation system. The Tsukuba version will glide along at a modest 20mph carrying 46 passengers.

Its unmanned forerunner, HSST-1, achieved, with rocket assistance, a speed of 307.8kph

In the unlikely event of the Japanese car of the future

breaking down, the chances are

that it will not be a mechanic

who comes to the rescue but an

Japanese car makers, having

already floored much of the

opposition in the development

of cars offering mechanical and

functional excellence, are now

increasingly orientating their R&D efforts towards the new

possibilities that micro-electronics can offer. The Japanese

see high-technology as the

progress in the contining search

for greater fuel efficiency, still

the first priority in the R&D

programmes of all the leading

makers, and in greater driving

Satellite navigation systems,

radar-controlled auto-drive and

voice-controlled operations will

make driving more fun, while

total computer control. and

monitoring, of the engine and

the wide use of new lightweight

materials such as ceramics and

Car makers worldwide are

fibre-reinforced plastics

improve overall efficiency.

safety and comfort.

electronics systems specialist.

two fifths of an inch. This is at around 300kph carrying more

The HSST is one of two Japanese mag-lev projects de-signed to provide transport for the future. The other is being run by the Japan National Railways (JNR). JNR produced Japan's famous Shinkansen "Bullet", which, with speeds of around 200kpb, for many years held the world record for a passenger train, a distinction which has now passed to France's TGV.

The main difference between the JNR and the JAL vehicles lies in the propulsion tech-nology. JNR has developed

offering strong competition to caused by the superconductive state. JAL uses the attractive force of normal electric magnets.

appreciate the other major difference between the two systems. JAL being in the airline business, saw no need to use a traditional railway car bogey configuration for wheels. The HSST is controlled by a pilot, not by a driver, and its body was designed along the es of an aircraft and built in a light alloy.

JNR is trying to develop a German consortium, Magnet-long distance train to replace bahn, offered the best approach, the "Bullet". In tests it has As the HSST became a national

Osaka-Tokyo trip from 3 hours 15 minutes to about 90 minutes

The HSST is designed for shorter runs, say from an airport to a city centre, which is why JAL entered the ground transport business in the first place. In 1974 JAL began worrying about the distance between central Tokyo and Narita international airport, a journey which by bus in heavy traffic can take two or three

JAL's engineers concluded that the electromagnet levitation system developed by a West German consortium, Magnetreached speeds of up to 517kph. project, the government opened

joint development talks with West Germany.

These talks, however, have stalled and it looks as though no agreement will result. In any case, JAL thinks its system has advantages over West Germany's. But it might consider other partners for the project including Britain.

The HSST will probably never see service betwen Narita and Tokyo. Constructing such a line would be extremely costly because of land prices. But it may be used to link a new airport being planned for Osa-ka. A special company has been formed to promote the vehicle, and JAL believes a commercial version could be produced within 10 years.

#### Richard Hanson

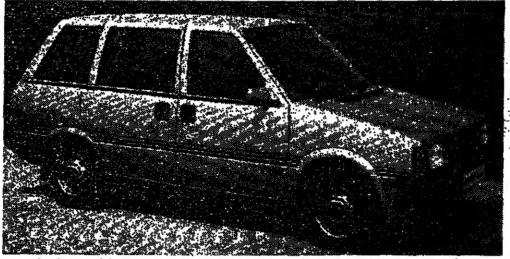
market, which only really got

going in the late 1960s, is both immature and highly demanding, at the same time. What really matters are still the buzz

words, which at present are 16-

valve, double overhead cam, front-wheel drive and, currently the height of fashion, turbo.

#### Coming: the model that won't ever let you get lost



An election special? The Nissan Prairie, a small estate car, went on sale in Britain on June 9.

ment of the passenger car are tumbling and quality levels included on the list. Among rising, that a flood of microthese are semi-conductors, ceramics and certain other "new materials". fibre-optics and voice-recognition devices.

thinking along similar lines, but Most notable is the semithe Japanese enjoy some powerful advantages. Although the conductor, or integrated circuit tIC). It is no coincidence that it nation has a basic technological was in the period around 1979lead in only a limited number of 1980. when Japanese mass-production techniques sent concentrated fields, nearly all prices of the 16K RAM IC

COLE This trend has accelerated powerful 64K RAM and is sure to continue through future generations of chips now being developed. Toyota estimates that the Japanese car industry,

value of electronic automotive components bought in 1985 will

are now under development, and the application of fibre-reinforced plastics is already

low alloy steels are also being increasingly introduced into car bodywork

Nissan followed suit in 1981. Both companies observed that the only drawback to the system was the tendency of drivers to become tired of the noise and switch it off. They are more optimistic about "voice recog-

Yet these attributes must be offered on a considerable range of traditional models, each of which satisfies widely recog-nized gradations of social status. All these social catego-

ries demand frequent upgrading of the product; but also never want to appear too different, which is one reason why for so looked so similar. The highest levels of economy, and total reliability, along with compliance with Japan's ultra-strict noise and pollution regulations, are in all cases taken for granted by car buyers.

With great good fortune, the 1973 oil crisis, coupled with market conservatism and functionalism, led the Japanese to channel their energies, early on, into the sort of economy-conscious car that the rest of the world was also, later, to demand. In the same way, the present increased concern with the home market could, once again, lead to advances which put the Japanese a step ahead.

#### oil crisis Japan's reaction to the 1973 oil · launched a massive investment crisis has been described as a national nervous breakdown". Exposed was the nation's Achilles' heel, the lack of any significant domestic supplies of energy. In its rush to catch up with the economies of the West,

Child's play. Even 12-year-olds come bargain-hunting at the Akihabara electronics flea market in Tokyo.

The sunshine

answer to the

Japan had allowed itself to be fulled into thinking that cheap oil supplies would always be available. Once the national bearings

were regained, however, there followed a determined effort to reduce that dependence, partly by diversifying supply sources, but most importantly by conserving energy, which in Japa-nese is called sho energy. Between 1973 and 1980 this effort was successful enough to reduce the industrial use of energy by nearly 23 per cent, while still increasing output. Oil consumption fell by 41 per cent.

The initial savings were fairly simple to achieve. After the oil crisis, the Ministry of International Trade and Industry (MITT) declared an emergency and cut supplies of electricity to industry. Industry itself needed little motivation from MITI to cut energy use because costs had guadrupled overnight.

While the bell tolled for some industries like aluminium, which uses expensive electricity, other energy-intensive sectors such as steel launched efforts which in large part succeeded in keeping them competitive. In the first stages, savings were made by changing wasteful methods of production— turning off heaters and closing doors, using waste heat and

The next stage, however, required hard rethinking about changing manufacturing pro-cesses, which entailed the costly introduction of new technology.

other economies.

The most important achieve ments of the steel industry have been in introducing continuous casting lines, which now process Roy Garner almost 80 per cent of the output. The cement industry

plan to install new suspension pre-heaters, which save fuel improve the product and reduce pollution. The idea was developed in West Germany in the

1950s but was refined by the Japanese in 1971 Meanwhile, MITI set about improving energy-saving tech-nology on several fronts. One way was to pass regulations requiring companies to tighten up on energy consumption. Industrial plants were told to appoint energy managers, who have to take a rigorous training course offered by the government to be licensed.

Home appliance manufac turers were required to meet energy consumption standards for refrigerators (41 per cent of the 1973 level), colour television sets (64 per cent) and air conditioners (61 to 71 per cent) by 1981.

In 1974 MITI started the Sunshine Project, which was to develop new energy sources such as solar and geothermal power. The most far-reaching government programme, how ever, is called the Moonlight Project, an attempt to develop key areas of new technoloy. The centrepiece is a series of largescale research and development projects being undertaken jointly with private industry.

One scheme is to produce an advanced gas turbine by 1987, which will require the development of new heat-resistant materials. Another is to develop magneto-hydrodynamics power generation, in which hot combustion gas at a tempera-ture of about 2,700 degrees Centigrade passes at high speed through a power generating channel located inside powerful magnets. The others are to build an advanced battery electric power storage system, power generation technology, and a Stirling (external combustion) engine.

RH

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computer-based systems suddenly appeared in new Japanese with the arrival of the more

which enjoys close access to the big IC makers, bought at least 39,000m yen (about £102m) worth of ICs in 1981 and says that, even allowing for rapid reductions in unit price, the

New materials are another key area. An all-ceramic engine is now not far off, carbon-fibre composites as an alternative to much of the metal bodywork

A Nissan spokesman pointed out. for example, that the "X car" of General Motors now contains 63 kgs of plastic, while the comparable Nissan Bluebird behind cars travelling i has 76 kgs. Wheels, fuel tanks an especially useful and windows are likely to be some of the first items to go plastic. Lighter, high strength,

Advances in fibre-optics could soon lead to the obsolescence of conventional car wiring, which is bulky and heavy. It will be replaced by very thin and light and offer a the system by the driver. greater density, and efficiency, of signal transmission. They are also immune to outside electrical interference.

As with semi-conductors, some of the world's best quality, and highest volume, supply is on the doorstep. The introduc-tion of "voice" controls has already begun in modest ways. Toyota was the first in the field, in 1980, with its speak monitor which uses speech synthesis ICs to automatically give instruc-

nition" systems, which obey

instructions spoken by the user These are already installed in some cars for switching on the car radio and raising the windows. But the real future lies in the eventual linkage to a central computer system handling virtually any operation from starting the engine to opening the boot.

Probably the most successful applications of micro-elec-tronics to date have been those to control the efficient running of the car engine. Japanese cars now feature thicro computer controlled fuel injection, engine idling reduction cruising speed auto-control transmission management exhaust cleaning and diagnostic functions, and several models already feature a single central computer controlling all these

Safety features being intro-duced include electronic skid control, which acts to preven locking of the wheels during warn of obstacles behind the car or to control engine power so as to maintain a fixed distance behind cars travelling in front, when driving in fog.

Drivers also should not need to get lost anymore. Toyota's tem allows the driver to home in on a target destination, even in unknown places, by use of a terrestrial magnetic sensor which constantly registers the direction and distance to the target, making use of simple optical fibre cables, which are data from a street map fed into

Later systems will use cellular radio to pick up information on traffic flow and preferred traffic flow and preferred routes, from the ultrasound sensors which are already installed on many streets.

Ultimately, the Japanese plan to fit a dish antenna on to the car roof, allowing the precise identification of one's position by use of geostationary satel-Meanwhile, Japan's

makers are also absorbed with tions such as "please check the more worldly cares. Diminishing export markets, and the effects of recession on sales generally, have led to the industry's first decline in production and sales since the 1973 oil shock, and to a growth in competition in the domestic





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Nearly all the revolutionary advances which Japan's steel industry has used. bought or licensed since the war have come from the West The most notable are the basic oxygen furnace (BOF) and continuous casting (CC) of molten steel. Kawasaki Steel, one of whose BOFs is pictured right, boasts a CC ratio of more than 93.4 per cent.



#### Steel: will the West now turn to Japan?

energy.

after became prohibitive.

the metal itself.

Steel is one of the most impressive post-war examples of how Japan has used imported technology to build an industry which has come to lead the rest of the world.

The main reason for Japanese success is technology, this time their own, and the lead they have over nearly all of the rest of the world. The odds are that the technology gap between Japan and Western steel industries (the US in particular) will rapidly grow even larger during this decade. What worries Japanese steelmen is not any competition, even from cheaper steel producers in developing countries, but rather that this widening gap could spark a further bout of protectionism in the West,

One means of partly defusing this situation may be for the West to turn to Japan for technology, a reverse flow which has already begun. Dr Yoshiharu lida, the

manager of Kawasaki Steel's steel technology department, suggests the only way for Western steel makers to catch up with the Japanese efficiency eap is to import Japanese equipment on a wholesale basis.

The idea is partly a reflection of how keenly the Japanese still feel their enormous debt to the West for steel technology. Nearly all of the revolutionary

bought or licensed in the post-war period (notably the basic oxygen furnace and continuous casting of molten steel) orig-nated in America or Europe, or,

in at least one case, Russia, It was not until about 1970, when a merger produced Nip-pon Steel, the world's largest now runs a technology surplus of roughly ten to one in value.) There were several milestones along the way. First, Japan's steel companies ence

began with the ironic advantage of having been completely destroyed by American bombs techniques. Plants were relocated to coastal regions to allow efficient imports of raw matpriority, and funding was made available.

industry since then is the lines.
unflavoing willingness of This era ended abruptly with Japan's five privately owned the oil crisis, which presented integrated steel producers – an entirely new set of techno-

new technology and on the latest plant and equipment. The incentives were clear - a

fast growing economy and fast growing industries, like cars and shipbuilding which used steel. Technology was generally available, either abroad or through shared developments at home. steel company, that Japan It is a generally accepted brought its technology trade in practice in Japan for competing steel into balance. (Nippon Steel technicians and engineers to technicians and engineers to share industrial and technological information at a myriad levels, including government and privately sponsored confer-

Until the first oil crisis in 1973 the priority was simply to produce larger quantities of higher quality steel for industry during the war. This allowed higher quality steel for industry companies to rebuild with as cheaply as possible, a key entirely new, and therefore element behind the intermore efficient, plant and equipmore efficient, plant and equipmational competitiveness of a ment, using the latest Western long list of Japanese industries.

This meant a switch from the open hearth furnace to basic oxygen furnace (BOF) techerials and shipments of finished nology developed in Europe, products. Steel was a national then building bigger a blast then building bigger blast furnaces and BOFs, and replacrailable. ing ingot making with more What has distinguished the efficient continuous casting

Nippon Steel, Kawasaki Steel, logical dilemmas. The main one Nippon Kokan, Sumitomo was to reduce oil and other this commitment. The big five than workers, and in the Metal Industries and Kobe Steel forms of energy consumption.

advances which Japan used, - to spend their own money on bought or licensed in the post-war period (notably the basic latest plant and equipment. blast furnaces at well below plant and equipment, despite capacity. Japan now operates at depressed demand, and plan to about 60 per cent of its spend nearly as much this year. theoretical capacity.

A good measure of what the Initially, large savings could Japanese have bought in the be had from relatively inexpen-way of technology is the ration sive steps such as using waste of continuous casting (CC) production now being achieved heat and tightening up on productio operating systems and habits. in Japan. The market for steel, however, CC saves money and energy was also undergoing a rapid by eliminating the necessity to change, away from quantity to reheat ingots after steel comes

quality and more speciality steel. Ways needed to be found from the furnace. In 1982 an average 78.8 per cent of Japanese steel was produced to produce better and more varied types of steel using less this way, compared with 36.4 per cent in Britain, 26.5 per cent in America and 12.2 per cent in Japan already has the advantage of having installed or planned new plants (though admittedly with too much capacity) just before the oil crisis struck. The cost of building new steel plant there-Russia. West Germany. with 59.8 per cent, was the highest in Енгоре. Kawasaki Steel last year

boasted a CC ratio of more than 93.4 per cent, the highest in Japan. It has enhanced its CC However, surviving under technology to allow for changes new conditions has inevitably in widths without stopping the meant investing large sums. of machine, and to "hot charge" money to upgrade the finer points of steel-making techmost of its output directly into the next stages of rolling mills, skipping inspection and connology itself. There are some moves to diversify away from ditioning. steel-making, but a main characteristic of Japanese steel

Some of the most telling advances, however, are in the companies is a commitment to automated running of plant operations, where computers

duction. Breakthroughs are also in the wind in speciality steel production, such as producing a more efficient electrical steel, that is, one that uses up less electricity in electric power equipment.

حكدًا من الأصل

One example of how Japan's advances are filtering back to the West is Kawasaki's agreement, signed in March, with the United States Steel Corporation on a new highly efficient "K-(basic oxygen process) top and bottom blowing steel refining process. Such a furnace cuts 20-30 per cent off the cost of producing some grades of stainless steel. These normally require refining in an electric arc furnace, which is expensive lo operate.

Kawasaki has also nounced recently the viability of an experimental new type of blast furnace, what it describes as a "revolutionary breakthrough" in extracting iron or manufacturing ferro alloys from the smelting reduction of fine

Blast furnaces now in operation need chunky iron ore to work properly. Kawasaki says its process would mean savings of about 15 per cent by enabling the use of readily available fine ore and low grade coke.

#### Lagging behind in venture capital

For a country with a solid reputation for innovation in industry, Japan has a strikingly conservative financial sector. One result is that venture capitalism - the art of matching risk-taking investors with new technology, ideas or entrepreneurial talent - has never taken hold on anything like the scale that it has in the United States and elsewhere.

Instead, Japan has a handful of companies which call themlves venture capitalists but which, for the most park do not behave like their counterparts in the West. Most are leftovers from a wave of interest in venture capital sparked in 1970 before the first oil crisis.

A second wave began in 1980. There are some new entries (eight Japanese and three foreign), though, and the government is interested in opening avenues to finance new technoloical developments. The Japanese financial environ-ment, however, will have to improve considerably if this is

to be successful. To begin with, the original venture capital companies were mainly the offspring of banks, securities houses and insurance companies. They tended more to provide bridging finance to companies which were about to be listed, and to behave more like their conservative parents

than venture capitalists. Japan Associated Finance Company (Jasco), an affiliate of the giant Nomura Securities, is the most active, having formed four partnerships and invested in about 100 companies. It tends to select companies in high-technology fields.

One of the newcomers, Fidelity International, a subsidiary of the US-based Fidelity group, is trying to invest in a company to be formed by a group of people specializing (inside an existing company) in computer-aided design.
However, Dr Satoshi Mochi-

zuki, a Fidelity director, says that Japan lags about 20 years behind the US in venture capital. One of the drawbacks is that Japan's anti-monopoly law prohibits venture capital companies from placing a director

on the board of the company.

Another problem is that
Japanese small businessmen are often reluctant to give up shares sidizes about 10 companies a in order to grow bigger.

The close links of venture

capital to the existing banking

system are also an inhibiting factor. One of the hangovers o the post-war recovery period in Japan is an over-protected banking system and a securities industry dominated by brokerage houses more interested in manipulating stock prices than serving as a conduit for investment in new enterprises.

Japan's 13 city (clearing) banks are by nature not interested in lending money to any business - let alone an individual - without a proven track record. Japan's stock market, though the second largest in the world, has never served as the main source of capital for growing companies.

In recent years up-and-coming high-technology companies have found financing available only after they have made good. Research and development by industry is mainly centred on applications for existing technology and not on basic, and therefore more expensive and risky, science.

Venture capitalism works only when the investor sees some long-term capital gain to be made by investing early in a company's life. The most company's life. The most common method is to take an equity stake or purchase a convertible bond to inject capital.

When a company goes public, the venture capitalist, if the company is successful, takes his profit. Japan discourages this by keeping strict stock exchange regulations on listing requirements. There is at present no over-the-counter market to turn to, though the idea is being studied within the government

and the securities industry.

The government itself turns out to be among the more active venture capital outfits. The Ministry of International Trade and Industry (MITI), in its Small and Medium-Size Enterprise Agency, runs two corporations which help make funds avail-able, under strict guidelines, for small companies to develop technology or ideas.

MITT's budget this year provides for Yen 5.100m (about £13.4m) to support and enhance technological development among small businesses. MITI's Venture Enterprise

Centre (VEC) guarantees loans of up to 80 per cent for eight years, for a 2 per cent fee. Companies must pay back a bonus, however, of up to 50 per cent of the loan's value if the project being financed is successful. Ten out of 177 companies have paid a bonus to

the government.

The other arm is the Small Business Investment Company. which provides funds by investing in the company with a 15-50 per cent share through equities or convertable bonds. It sub-

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